Ohio
Labor
Market
Information

Labor Market Review

September 1986

Summary In September the seasonally adjusted unemployment rate in Ohio was 8.5 percent, up from 8.2 percent in August, according to the most recent Current Population Survey. The national rate also rose from 6.8 percent in August to 7.0 percent in September. Ohio's civilian labor force, at 5,158,000, was down 3,000 from August. The number of jobless Ohioans increased 17,000, to 438,000. Seasonally adjusted nonagricultural wage and salary employment advanced 2,000, to 4,523,000, as gains in nonmanufacturing divisions were mostly offset by losses in manufacturing industries. (See page 3.)

Factory Employment Ohio's seasonally adjusted manufacturing employment fell 6,000 from August, to 1,089,000 in September. Durable-goods industries accounted for the decrease, due largely to labor-management disputes in primary metal industries. Nondurable goods employment increased slightly.

Nonmanufacturing Nonmanufacturing employment in Ohio (seasonally adjusted) totaled 3,434,000 in September, up 8,000 from August. Retail trade, services, and government had increases of 2,000 each. No division had an employment reduction.

Over the Year From September 1985 to September 1986, the seasonally adjusted civilian labor force rose 4,000, while total employment increased 42,000. There were 38,000 fewer unemployed workers in September 1986, which lowered the unemployment rate from 9.2 percent to 8.5 percent. The U.S. rate declined slightly, from 7.1 percent to 7.0 percent during the period. Nonfarm wage and salary employment in Ohio was 130,000 above the September 1985 level. All divisions had greater employment in 1986, except manufacturing (-21,000) and mining (-2,000). Services (+ 67,000) and retail trade (+ 46,000) had the largest gains.

Factory Hours and Earnings The average weekly earnings of manufacturing production workers in Ohio rose $6.29 from August, to $487.72 in September. The average workweek, at 42.3 hours, was .4 hours longer. Most industries had higher earnings. Significant increases were registered in motor vehicles and equipment, refrigeration and service machinery, aircraft and parts, and metal forgings and stampings. The end of the canning season sharply reduced earnings in preserved fruits and vegetables.

Benefits and Costs Initial claims numbering 62,981 were filed under the Ohio Unemployment Compensation Law in September, down 5.1 percent from August, but up 14.4 percent from September 1985. Total benefits paid, at $42.9 million, were down 18.2 percent from August. The average benefit check dropped $.37, to $148.77. The average weekly number of benefit recipients was 73,029, down 9,689. At the end of September, there were 193,539 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 48,712 new job applicants in September, down 3.5 percent from August. The number of job openings received from employers rose 5.5 percent, to 21,545. The Employment Services Division made 29,775 job referrals and 14,672 placements.

THE OHIO BUREAU OF EMPLOYMENT SERVICES CAN SAVE YOU TAX DOLLARS

Some applicants referred through the Ohio Bureau of Employment Services can save your company tax dollars.

If you hire an applicant under the Targeted Jobs Tax Credit program, your company will be eligible to:

- claim a tax credit equal to 50 percent of the first $6,000 in wages paid to the applicant in the first year; and
- claim an additional tax credit equal to 25 percent of the first $6,000 in wages for keeping the worker on your payroll through the second year.

For further information about the Targeted Jobs Tax Credit Program, contact Floyd McInturff at 614-462-7278.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates [illegible]			Change[b] (in thousands)		Percent Change[c]	
	[illegible]	[illegible]	[illegible]	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data							
Civilian Labor Force	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Employment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Unemployment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Unemployment Rate	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Employer Survey Data							
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Manufacturing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonmanufacturing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Mining	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation and Public Utilities	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]
Wholesale Trade	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]
Retail Trade	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Finance, Insurance and Real Estate	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Goods Producing Industries[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Service Producing Industries[g]	[illegible]	[illegible]	[illegible]	[illegible]	543	[illegible]	[illegible]

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1984
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	October
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	November
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	December
					1985
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	January
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	February
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	March
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	April
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	May
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	June
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	July
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	August
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	October
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	November
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	December
					1986
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	January
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	February
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	March
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	April
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	May
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	June
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	July
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	August
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1984				
September	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]
November	[illegible]	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]	[illegible]
1985				
January	[illegible]	[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]	[illegible]
August	[illegible]	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]
November	[illegible]	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]	[illegible]
1986				
January	[illegible]	[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]	[illegible]
August	4,321	1,085	721	[illegible]
September	4,323	1,085	718	[illegible]

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
					1984				
[illegible]	24	147	201	[illegible]	September	756	[illegible]	[illegible]	[illegible]
[illegible]	25	150	204	240	October	759	213	[illegible]	[illegible]
[illegible]	26	149	203	242	November	768	214	[illegible]	[illegible]
[illegible]	27	151	201	242	December	767	214	[illegible]	[illegible]
					1985				
[illegible]	[illegible]	151	201	243	January	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	27	148	201	244	February	771	[illegible]	[illegible]	[illegible]
[illegible]	27	152	201	245	March	[illegible]	216	944	[illegible]
[illegible]	27	154	201	247	April	781	216	[illegible]	[illegible]
[illegible]	27	150	201	246	May	787	218	[illegible]	[illegible]
[illegible]	26	151	202	245	June	788	218	[illegible]	[illegible]
[illegible]	26	153	202	246	July	792	219	[illegible]	666
[illegible]	26	155	201	[illegible]	August	795	219	[illegible]	[illegible]
[illegible]	26	155	202	248	September	798	220	964	[illegible]
[illegible]	26	156	203	249	October	803	221	968	[illegible]
[illegible]	26	156	[illegible]	250	November	806	222	975	[illegible]
[illegible]	26	158	204	251	December	807	222	984	[illegible]
					1986				
[illegible]	27	160	206	252	January	820	223	991	677
[illegible]	26	159	204	253	February	824	224	993	[illegible]
[illegible]	26	158	204	254	March	828	225	997	674
[illegible]	26	161	204	254	April	831	226	1004	675
3,400	25	162	203	255	May	834	227	1016	676
3,401	25	162	198	254	June	837	228	1021	678
3,412	24	163	202	254	July	837	230	1026	677
3,426	24	163	204	255	August	842	230	1030	679
3,434	24	165	205	255	September	843	230	1031	681

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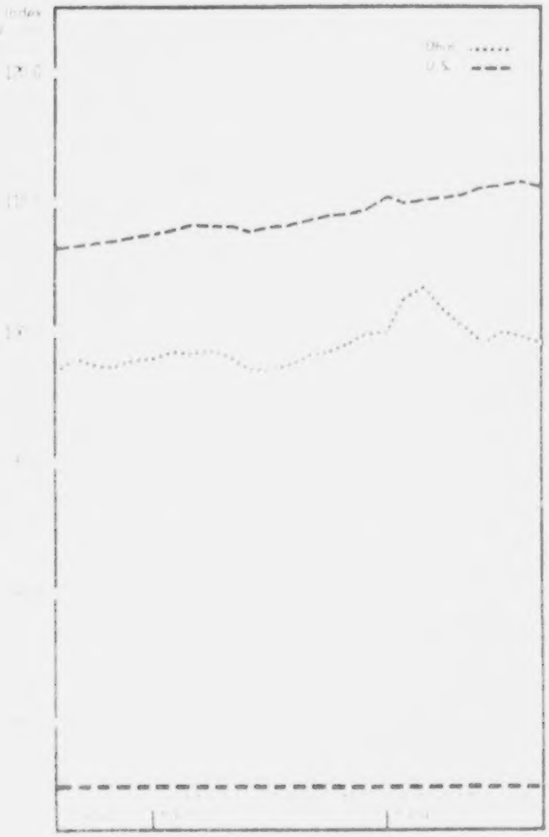
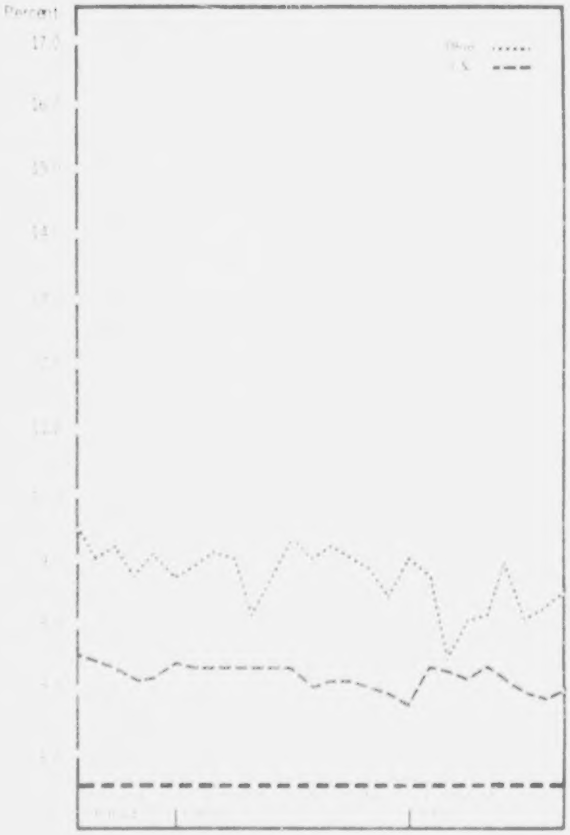
[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

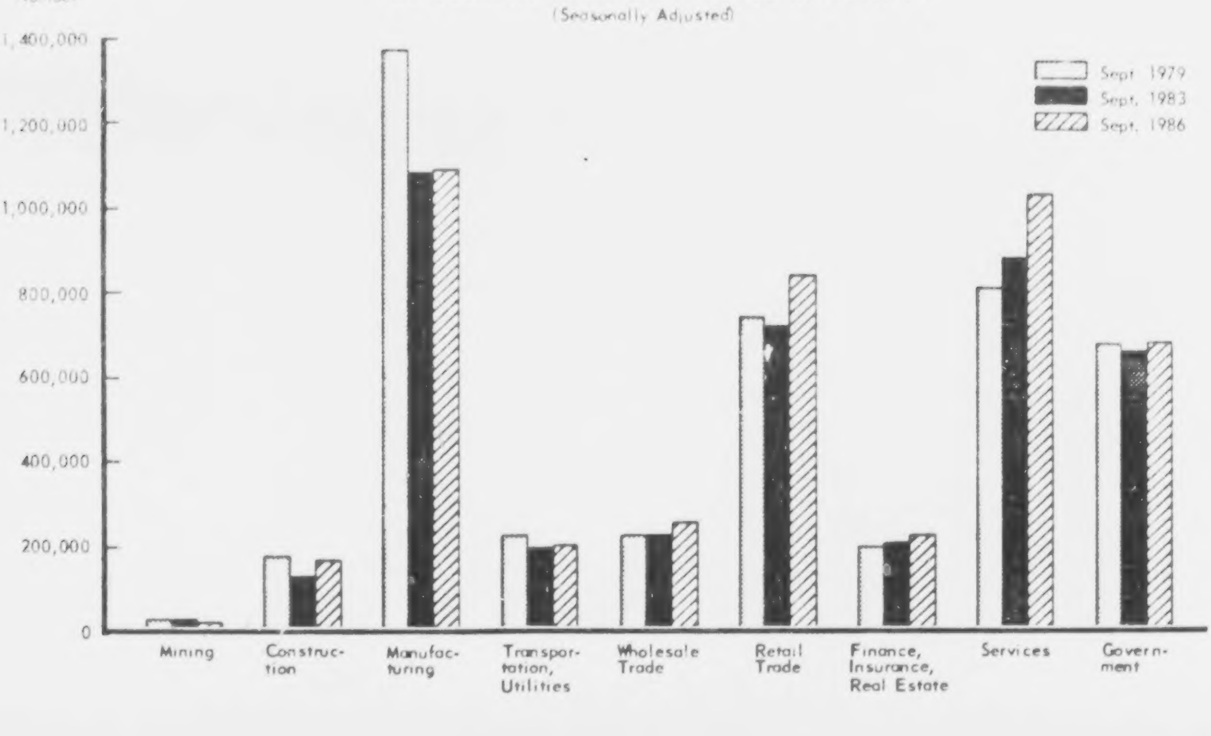
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates*

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	US			Manufacturing		
								Durable	Nondurable
[illegible]	[illegible]	424	9.1	8.5	1975	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1976	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1977	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1978	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1979	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1980	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1981	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1982	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1983	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1984	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1985	[illegible]	[illegible]	[illegible]	[illegible]
					1985				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	October	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	November	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	December	[illegible]	[illegible]	[illegible]	[illegible]
					1986				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	January	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	February	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	March	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	April	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	May	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	June	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	July	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	August	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September	[illegible]	[illegible]	[illegible]	[illegible]

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
[illegible]	26.4	[illegible]	[illegible]	[illegible]	1975	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	28.2	[illegible]	213.7	218.4	1976	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	29.1	[illegible]	219.1	224.6	1977	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	29.0	170.6	225.8	[illegible]	1978	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	31.6	162.9	232.1	232.4	1979	742.4	[illegible]	[illegible]	[illegible]
[illegible]	30.2	[illegible]	223.1	232.6	1980	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	30.2	[illegible]	217.2	232.5	1981	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	30.3	134.8	206.8	[illegible]	1982	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26.6	130.8	198.8	222.5	1983	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	27.8	144.8	203.9	236.7	1984	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26.4	154.1	[illegible]	[illegible]	1985	[illegible]	218.1	[illegible]	[illegible]
					1985				
[illegible]	26.6	172.6	204.3	249.3	September	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26.5	172.9	204.4	250.3	October	[illegible]	220.1	[illegible]	[illegible]
[illegible]	26.6	166.6	204.3	250.9	November	821.9	221.2	[illegible]	[illegible]
[illegible]	26.2	[illegible]	204.4	251.2	December	[illegible]	221.6	[illegible]	[illegible]
					1986				
3,274.0	25.9	134.9	199.3	249.5	January	802.2	221.3	965.2	[illegible]
3,272.9	25.4	129.8	199.4	249.6	February	790.3	222.0	972.0	[illegible]
3,306.7	24.9	135.7	200.4	251.2	March	801.3	223.0	982.1	[illegible]
3,370.8	25.0	150.9	202.6	253.1	April	821.4	225.1	1,005.4	687.3
3,427.5	25.1	162.5	203.9	254.5	May	836.8	227.4	1,024.9	692.4
3,439.8	25.0	170.8	200.2	255.8	June	843.2	229.9	1,037.9	677.0
3,418.8	25.1	178.2	204.4	255.9	July	843.8	232.5	1,038.1	640.9
3,427.5	24.8	182.0	206.2	256.6	August	850.1	232.8	1,039.8	635.3
[illegible]	24.5	182.9	207.0	256.5	September	853.4	231.5	1,045.8	668.3

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment

[illegible]

Production Workers in Manufacturing

[illegible]

Production Workers Average Weekly Earnings

[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1979
[illegible]	[illegible]	[illegible]	1980
[illegible]	[illegible]	[illegible]	1981
[illegible]	[illegible]	[illegible]	1982
[illegible]	[illegible]	[illegible]	1983
[illegible]	[illegible]	[illegible]	1984
[illegible]	[illegible]	[illegible]	1985
			1985
[illegible]	[illegible]	[illegible]	September
[illegible]	[illegible]	[illegible]	October
[illegible]	508.22	[illegible]	November
[illegible]	525.64	[illegible]	December
			1986
[illegible]	511.90	436.51	January
[illegible]	512.60	437.41	February
[illegible]	512.48	433.46	March
[illegible]	[illegible]	[illegible]	April
[illegible]	499.80	[illegible]	May
481.85	500.89	[illegible]	June
[illegible]	[illegible]	[illegible]	July
[illegible]	[illegible]	[illegible]	August
487.72	507.45	443.72	September

Production Workers Average Weekly Hours

[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
			[illegible]
[illegible]	[illegible]	[illegible]	September
[illegible]	[illegible]	[illegible]	October
[illegible]	[illegible]	[illegible]	November
[illegible]	[illegible]	[illegible]	December
			1986
42.2	42.5	41.7	January
42.2	42.6	41.8	February
42.2	42.6	41.4	March
41.8	42.2	40.9	April
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September

Production Workers Average Hourly Earnings

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are [illegible]
Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[*]

Employment

(In thousands)

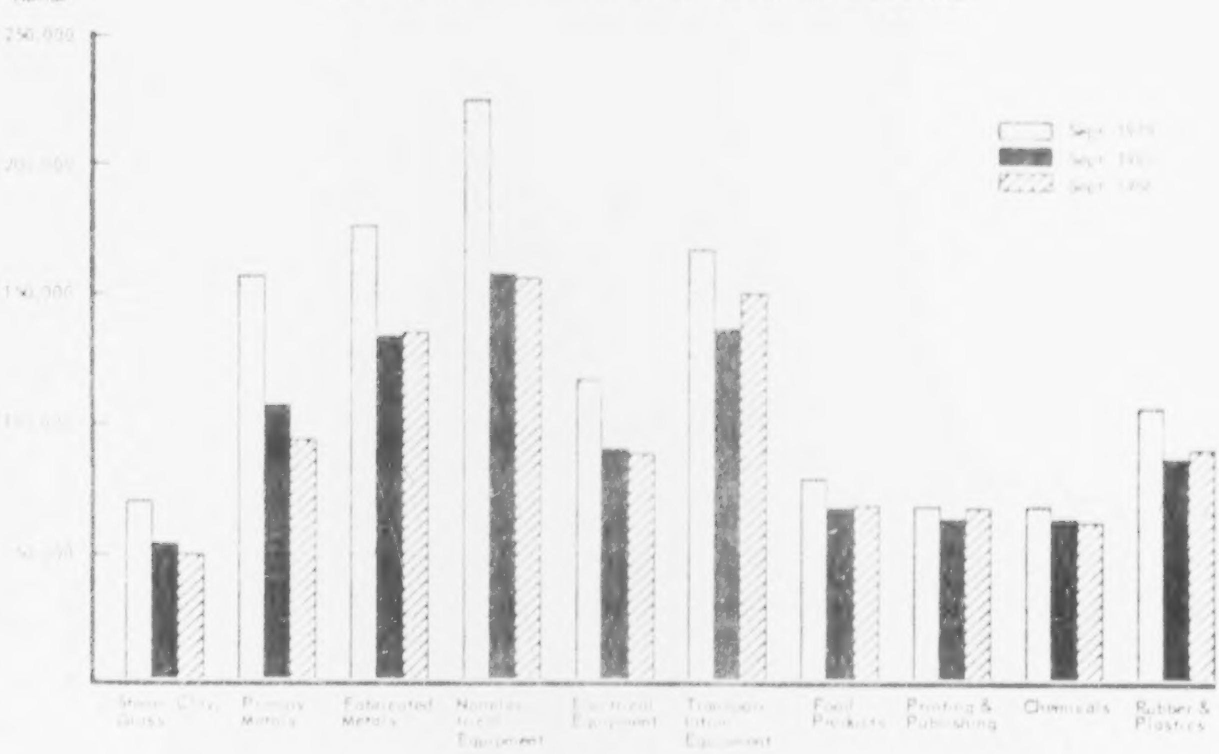
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electrical & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1975	65.0	151.5	151.9	207.2	112.7	152.0	73.5	62.8	94.1
1976	66.3	154.6	157.9	205.8	115.1	161.0	73.8	64.0	98.1
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.9
1978	69.3	157.5	173.3	216.9	122.2	164.1	74.6	65.6	[illegible]
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	[illegible]
1980	64.1	134.8	157.4	211.4	106.4	139.1	72.7	67.4	[illegible]
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.1
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	65.2	87.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	81.1
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	64.1	90.8
1985	50.4	102.7	138.9	166.2	90.5	151.7	62.7	66.4	91.1
1985									
September	51.4	98.5	139.1	164.3	89.2	150.9	65.9	65.1	90.1
October	51.3	99.0	138.7	163.4	89.1	154.5	63.3	67.1	92.1
November	51.0	101.3	138.6	162.9	88.1	157.2	62.3	66.1	[illegible]
December	49.8	102.7	137.3	163.4	89.0	158.0	62.1	67.1	91.1
1986									
January	49.1	101.0	136.6	163.3	88.1	157.9	62.6	67.1	90.8
February	48.7	102.8	136.0	160.7	88.2	156.8	62.4	67.1	91.1
March	49.6	102.6	136.7	160.4	87.7	154.2	62.7	67.1	91.1
April	50.6	102.5	136.2	159.7	88.4	153.4	61.6	67.1	91.4
May	50.9	101.7	135.8	158.6	87.5	149.7	62.8	67.5	90.9
June	51.5	100.3	135.9	158.2	87.8	152.8	63.5	67.7	91.1
July	50.3	96.9	133.6	156.8	87.1	152.3	63.8	67.3	89.1
August	50.6	94.8	133.7	156.1	88.4	150.0	67.1	67.3	88.1
September	50.4	92.7	134.9	156.1	88.1	150.1	67.8	67.3	89.8

Average Weekly Earnings of Production Workers

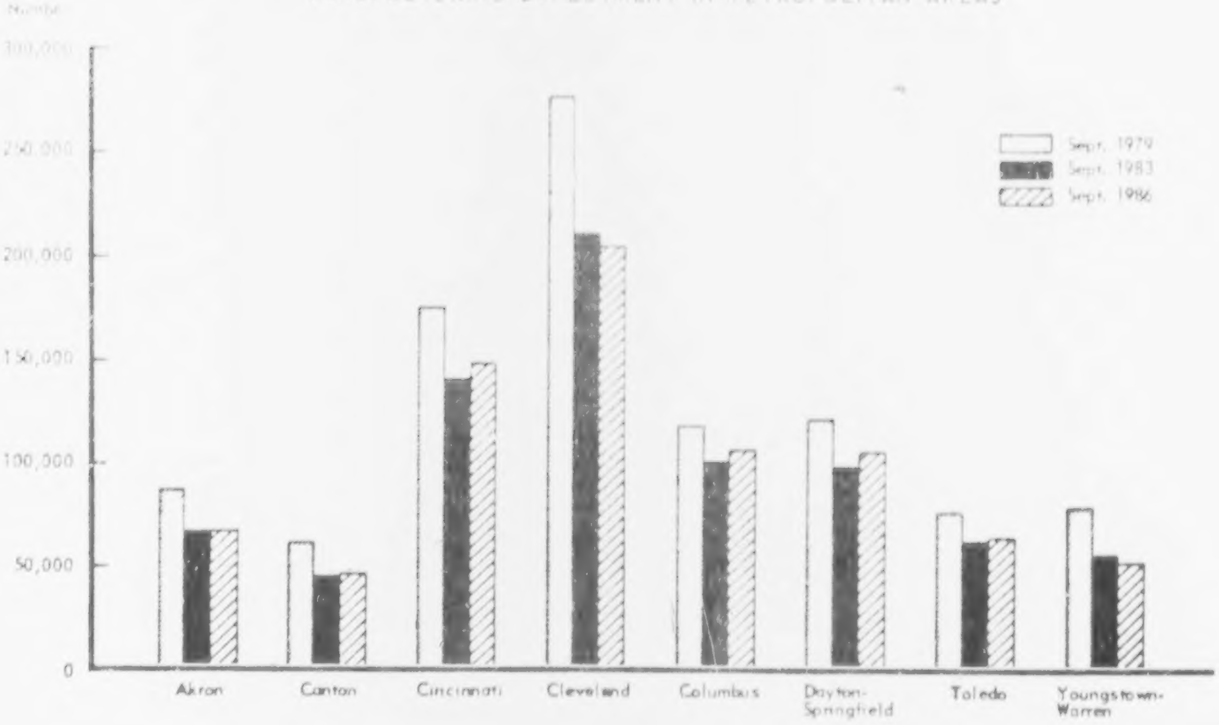
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electrical & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1975	$207.35	$256.46	$224.96	$228.25	$201.37	$263.72	$222.68	$226.90	[illegible]
1976	232.40	294.58	236.68	253.41	221.94	292.87	242.92	250.20	[illegible]
1977	253.95	329.54	290.44	279.18	248.44	339.20	258.54	271.96	[illegible]
1978	274.81	366.24	307.23	306.10	274.45	349.66	281.13	285.18	282.77
1979	293.14	395.43	323.38	329.06	289.27	391.56	304.56	302.62	300.01
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.64
1981	348.02	484.04	389.61	389.16	330.27	471.50	362.25	347.70	368.67
1982	376.88	480.34	398.77	392.63	366.56	506.99	386.04	358.43	381.11
1983	400.17	503.85	460.65	424.09	394.63	557.92	403.79	375.62	422.27
1984	419.15	537.21	475.30	467.61	429.65	603.46	419.19	386.30	429.94
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1985									
September	439.95	553.50	487.39	478.13	435.59	638.17	423.47	403.52	431.63
October	441.84	541.86	490.98	478.41	446.71	653.05	408.93	399.36	426.38
November	441.21	549.67	496.93	476.72	449.77	648.70	404.33	411.08	437.07
December	441.60	565.30	519.50	489.46	466.99	677.37	403.87	424.51	443.13
1986									
January	437.22	555.59	500.65	480.11	454.30	649.52	405.32	403.37	442.96
February	434.84	561.19	496.18	483.51	460.06	652.24	402.98	400.62	438.44
March	446.37	550.78	506.32	489.20	459.80	644.67	395.39	408.67	438.67
April	444.11	546.40	495.01	482.22	452.79	632.60	399.10	398.91	423.43
May	446.37	547.80	486.36	481.20	451.28	620.54	419.67	407.33	423.15
June	443.56	546.89	494.06	483.07	450.58	616.40	417.91	402.80	443.66
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	448.45	570.10	491.84	485.83	465.30	626.89	415.94	421.30	442.61

[*] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment

Ohio

	Employment			Change	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cutlery, hand tools, and hardware	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Office and computing machines	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Refrigeration and service machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric lighting and wiring equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aircraft and parts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Meat products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dairy products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Preserved fruits and vegetables	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Misc. converted paper products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paperboard containers and boxes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Newspapers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Industrial inorganic chemicals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tires and inner tubes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Miscellaneous plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

See footnotes on page 13

Nonagricultural Wage & Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)	
	September [illegible]	August [illegible]	September [illegible]	From Last Month	From Last Year
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MINING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bituminous coal and lignite mining	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Oil and gas extraction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONTRACT CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General building contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Heavy construction contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Highway and street construction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special trade contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Railroad transportation	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation except railroads	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas, sanitary services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric, gas, & sanitary services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade—durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles & automotive equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, equipment, and supplies	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade—nondurable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Groceries and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Department stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Automotive dealers & service stations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and accessory stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eating and drinking places	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Credit agencies other than banks	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Life insurance	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fire, marine, and casualty insurance	29.7	[illegible]	27.8	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hotels and other lodging places	[illegible]	17.1	[illegible]	[illegible]	[illegible]
Personal services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Laundry, cleaning, & garment services	18.9	18.8	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Services to buildings	29.8	[illegible]	[illegible]	.3	[illegible]
Computer and data processing services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amusement and recreation services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nursing and personal care facilities	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hospitals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Educational services	80.7	69.7	[illegible]	[illegible]	[illegible]
Colleges and universities	33.9	26.1	31.7	[illegible]	[illegible]
GOVERNMENT	668.1	635.3	657.4	[illegible]	[illegible]
Federal government	[illegible]	93.7	93.5	[illegible]	[illegible]
State government	[illegible]	131.4	136.7	11.4	[illegible]
State government education	[illegible]	56.2	66.7	12.7	2.2
State government except education	[illegible]	75.1	[illegible]	- 1.2	3.0
Local government	[illegible]	410.5	428.6	22.0	[illegible]
Local government education	245.0	217.8	242.9	27.2	2.1
Local government except education	187.5	192.8	185.5	- 5.3	2.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[b]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cutlery, handtools and hardware	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Office and computing machines	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Refrigeration and service machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric lighting and wiring equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aircraft and parts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Meat products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dairy products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Preserved fruits and vegetables	[illegible]	[illegible]	[illegible]	40.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Misc. converted paper products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paperboard containers and boxes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38.6	[illegible]	[illegible]	[illegible]
Newspapers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	41.1	[illegible]	40.4	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	42.1	41.7	[illegible]	[illegible]	[illegible]	[illegible]
Industrial inorganic chemicals	[illegible]	558.14	541.38	42.2	41.8	42.0	13.48	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	438.85	[illegible]	42.6	42.3	42.4	[illegible]	[illegible]	[illegible]
Tires and inner tubes	[illegible]	[illegible]	651.58	45.5	46.7	45.3	14.14	[illegible]	[illegible]
Miscellaneous plastics products	[illegible]	[illegible]	[illegible]	[illegible]	41.9	42.0	10.05	[illegible]	[illegible]

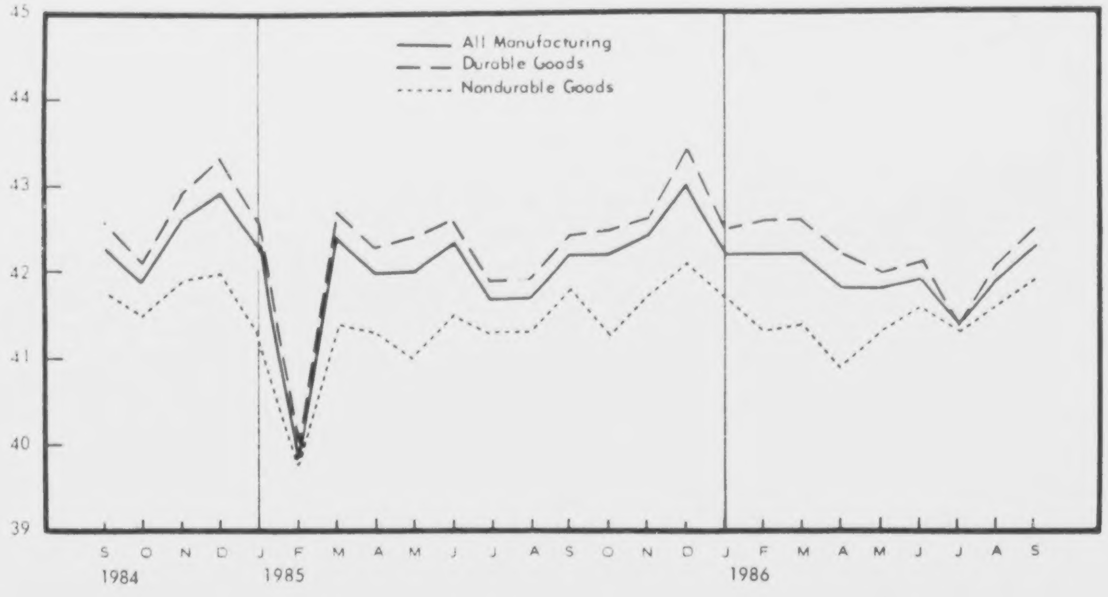
See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

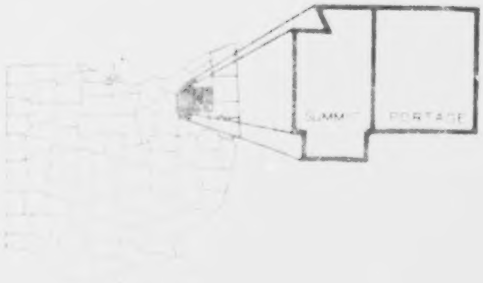
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MINING	$543.60	$524.18	$500.46	45.0	43.5	43.9	$12.08	$12.05	$11.40
Bituminous coal and lignite mining	642.83	631.08	596.09	42.6	42.1	40.8	15.09	14.99	14.61
CONSTRUCTION	588.85	595.81	595.98	39.6	39.8	39.6	14.87	14.97	15.05
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	548.46	536.61	528.96	41.3	40.9	41.1	13.28	13.12	12.87
Communication	539.15	524.88	525.10	41.0	40.5	40.8	13.15	12.96	12.87
Electric, gas, and sanitary services	560.03	551.45	534.52	41.7	41.4	41.5	13.43	13.32	12.88
WHOLESALE TRADE	368.78	366.81	349.38	39.4	39.4	39.3	9.36	9.31	8.89
Wholesale trade-durable goods	368.42	362.81	347.77	39.7	39.5	39.7	9.28	9.18	8.76
Wholesale trade-nondurable goods	370.89	373.01	352.03	39.0	39.1	38.6	9.51	9.54	9.12
RETAIL TRADE[g]	159.53	158.10	159.72	28.9	29.3	29.2	5.52	5.40	5.47
General merchandise stores	181.18	183.92	175.41	29.8	30.4	29.8	6.08	6.05	5.90
Department stores	185.98	188.80	180.90	29.9	30.5	30.0	6.22	6.19	6.03
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	250.51	249.66	234.10	....	....	....	....	....	....
Credit agencies other than banks	247.24	244.47	233.53	....	....	....	....	....	....
Insurance carriers	330.52	327.20	308.39	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	322.30	321.55	315.22	33.8	33.6	34.3	9.54	9.57	9.19

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Money payments only, tips not included. [h]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



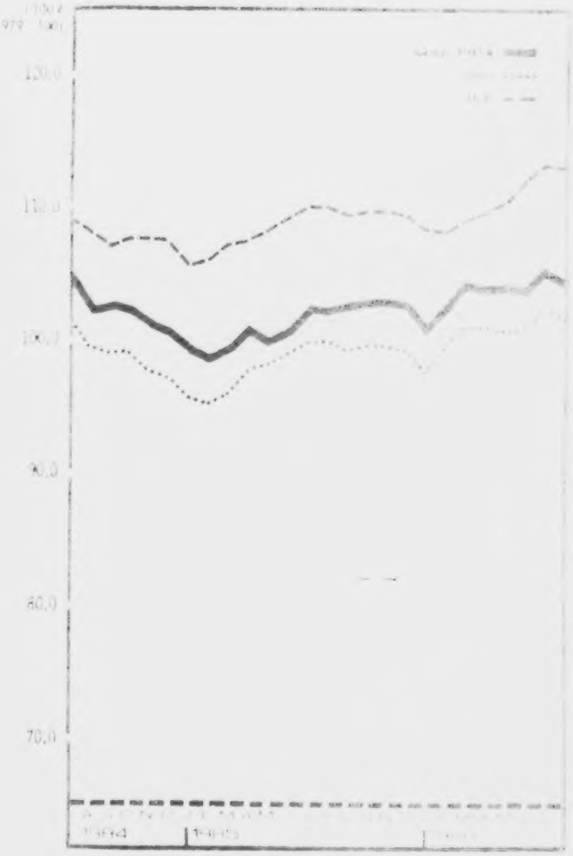
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



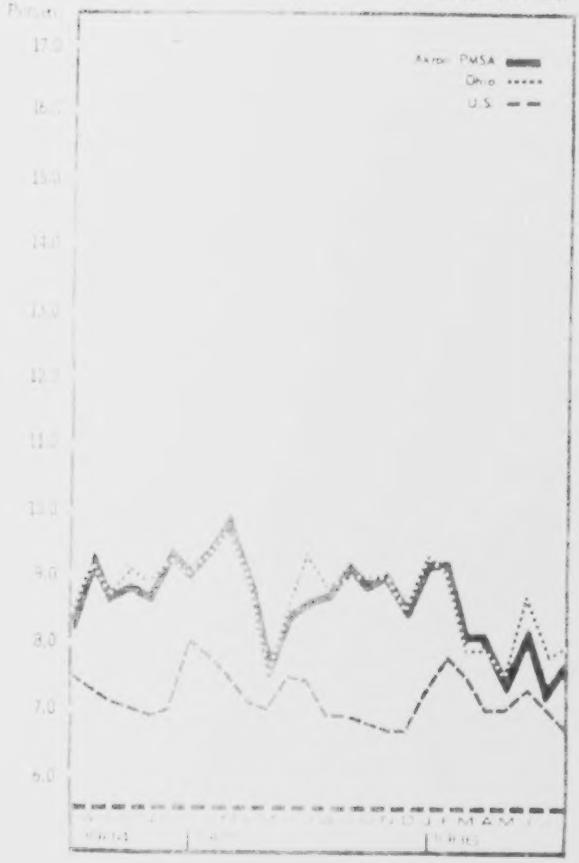
Nonagricultural wage [illegible] the Akron area [illegible] after advancing 5,600 from August. Employment [illegible]facturing rose 5,[illegible] nonteaching personnel in state and [illegible] was the major [illegible] resulting declines in amusement and [illegible] Manufacturing emplo[illegible] August to 65,600. An increase in durable [illegible] the exp[illegible] manufacturing industries averaged [illegible] 3 hours [illegible] hourly earnings were $11.45, up $[illegible]

Nonfarm employment [illegible] from September [illegible] manufacturing divisions registered [illegible] trade and constr[illegible] of the growth. [illegible] rubber and [illegible] especially tires and inner tubes [illegible] manufacturing employment [illegible]

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
Not Seasonally Adjusted



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
Not Seasonally Adjusted



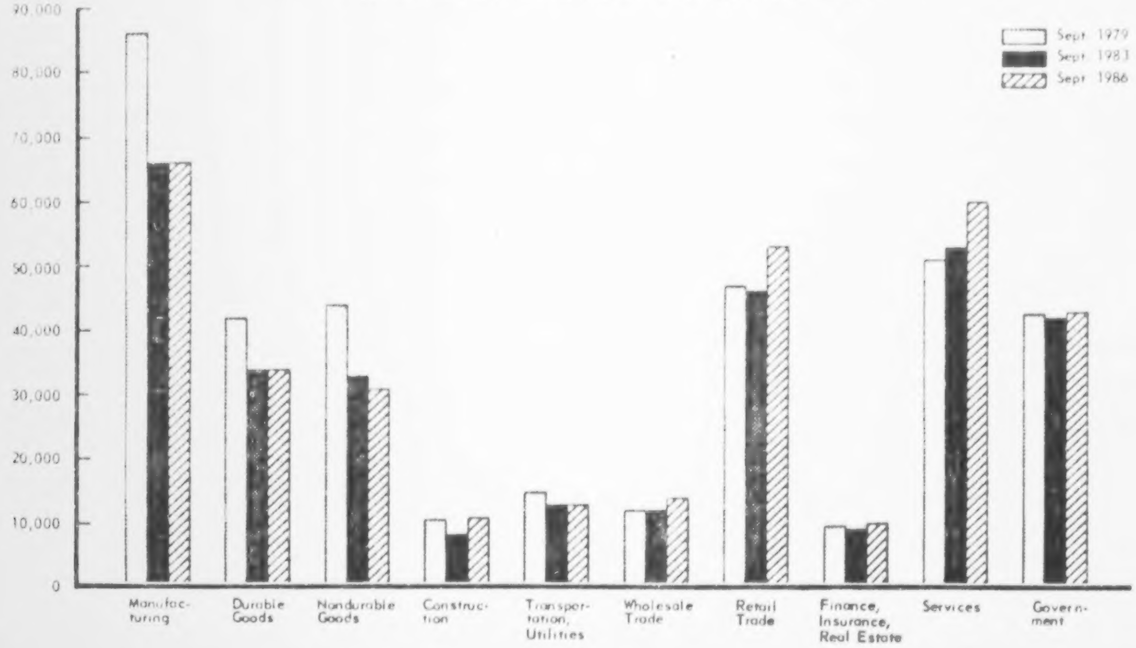
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
297.0	269.3	27.7	9.5	1975	248.4	84.5	44.4	$232.87	41.1	$ 5.66
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	253.44	42.1	6.02
294.2	274.7	19.5	6.6	1977	253.3	85.6	46.2	285.57	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	305.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	271.9	86.6	51.6	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	70.1	47.5	361.80	41.5	8.72
304.1	279.0	25.1	8.6	1981	259.5	76.7	43.7	397.10	41.8	9.50
304.9	269.0	35.9	11.8	1982	248.8	69.3	38.9	413.01	41.9	9.84
302.6	269.2	33.3	11.4	1983	244.7	67.0	37.6	442.12	42.1	10.49
318.4	296.8	21.6	6.7	1984	252.2	67.6	38.8	479.65	43.7	10.77
318.4	290.6	27.3	8.8	1985	258.2	67.4	37.3	478.20	43.2	11.00
				1985						
319.8	292.1	27.7	8.7	August	259.4	65.4	36.1	464.21	42.1	11.03
308.8	[illegible]	[illegible]	9.2	September	261.2	57.4	36.8	476.76	42.9	11.11
310.8	281.4	[illegible]	9.4	October	263.1	67.1	36.7	465.44	42.1	11.02
320.1	291.1	[illegible]	9.1	November	259.2	66.6	36.6	476.39	43.0	11.18
314.1	294.1	20.0	6.6	December	263.1	66.8	36.7	486.30	44.1	11.21
				1986						
308.2	282.1	26.1	8.2	January	257.3	66.4	36.2	473.67	42.7	11.09
321.0	297.4	20.5	6.7	February	256.8	66.5	36.2	471.78	43.1	11.13
323.8	297.7	26.1	8.1	March	262.0	66.6	36.2	485.31	43.1	11.27
323.2	297.2	26.0	8.1	April	264.8	66.5	36.1	476.07	42.9	11.20
327.2	297.6	23.6	7.3	May	268.9	66.4	36.0	476.18	42.6	11.20
317.0	290.6	26.4	8.2	June	267.1	66.5	36.1	462.17	41.9	11.11
324.1	301.0	23.3	7.2	July	265.1	66.6	35.2	472.86	42.6	11.10
322.0	297.5	24.5	7.7	August	270.6	66.2	35.1	481.81	43.6	11.20
N/A	N/A	N/A	N/A	September	276.4	66.8	35.8	471.46	43.1	11.35

N/A Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[a] (in thousands)	
	September 1985	August 1985	September 1984	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tires and inner tubes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	14.4	[illegible]	[illegible]	.1	.6
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amusement and recreation services	4.4	[illegible]	3.6	[illegible]	.8
Health services	17.3	17.2	17.6	.1	- .3
GOVERNMENT	42.7	37.1	[illegible]	5.6	- .1
State government	15.3	10.7	[illegible]	4.7	[illegible]
State government education	12.3	7.6	[illegible]	4.8	[illegible]
State government, except education	3.0	3.1	2.5	- .1	[illegible]
Local government	25.1	24.1	25.5	1.0	- .4
Local government education	12.9	11.9	13.5	1.0	- .6
Local government, except education	12.2	12.1	12.0	[illegible]	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

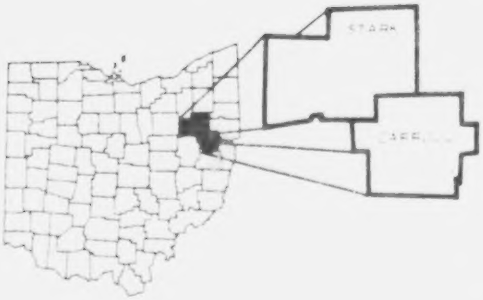
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MANUFACTURING	$491.46	$491.81	$475.76	43.3	43.8	42.9	$11.35	$11.23	$11.09
Durable Goods[e]	505.91	508.20	490.35	43.5	44.0	42.9	11.63	11.55	11.43
Fabricated metal products	541.72	545.41	575.58	46.2	46.6	41.6	[illegible]	[illegible]	[illegible]
Machinery, except electrical	479.71	443.00	454.41	[illegible]	44.3	45.6	9.97	[illegible]	[illegible]
Metalworking machinery	444.43	454.72	413.54	44.0	45.7	43.8	10.10	[illegible]	[illegible]
Nondurable Goods[f]	471.08	466.98	452.45	43.4	43.3	42.8	10.85	10.78	10.57
Food and kindred products	442.54	453.20	454.27	40.6	41.1	43.9	10.90	[illegible]	10.37
Chemicals and allied products	451.69	452.78	437.81	40.6	40.5	40.3	11.17	11.18	[illegible]
Rubber and misc. plastics products	515.97	506.00	473.04	45.3	44.7	43.0	11.34	[illegible]	[illegible]
Tires and inner tubes	748.46	747.46	665.38	50.3	[illegible]	47.0	14.88	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	552.69	546.72	546.10	41.0	40.8	40.4	13.48	[illegible]	[illegible]
WHOLESALE TRADE	332.52	330.33	324.33	38.6	38.5	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	191.85	193.71	181.69	31.4	31.6	29.4	6.11	[illegible]	[illegible]

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Decrease due to labor-management disputes.

Selected Administrative Program Activities

	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	3,179	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	341	[illegible]
Job Openings Received	[illegible]	948	705
Job Openings Unfilled	[illegible]	[illegible]	826
Unemployment Insurance Program			
Initial Claims	3,159	3,348	[illegible]
Continued Claims	27,859	26,977	[illegible]
First Payments	1,030	[illegible]	1,075
Last Payments	419	394	390
Weeks Compensated	17,033	18,359	18,338
Benefits Paid	[illegible]	$2,691,535	[illegible]
Average Weekly Payment	$145.83	$145.52	$147.88

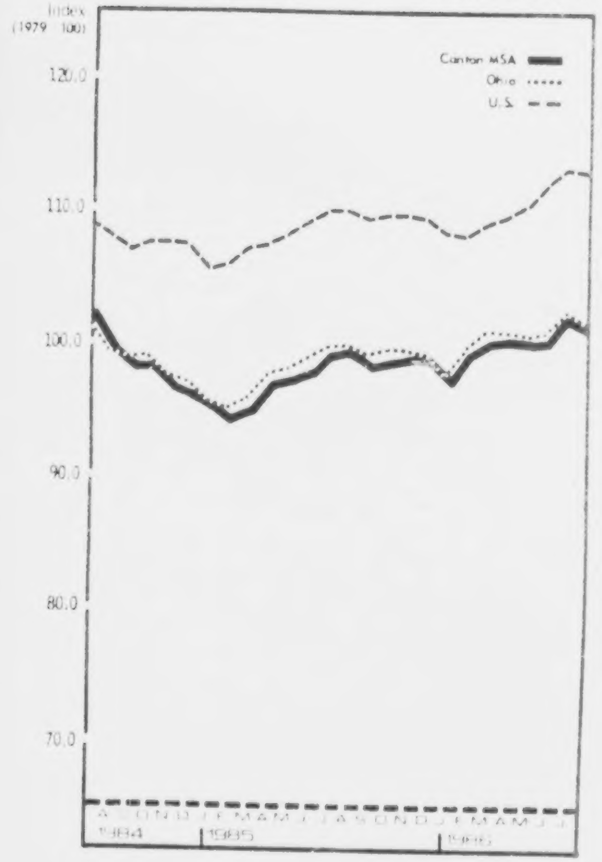
CANTON
METROPOLITAN STATISTICAL AREA



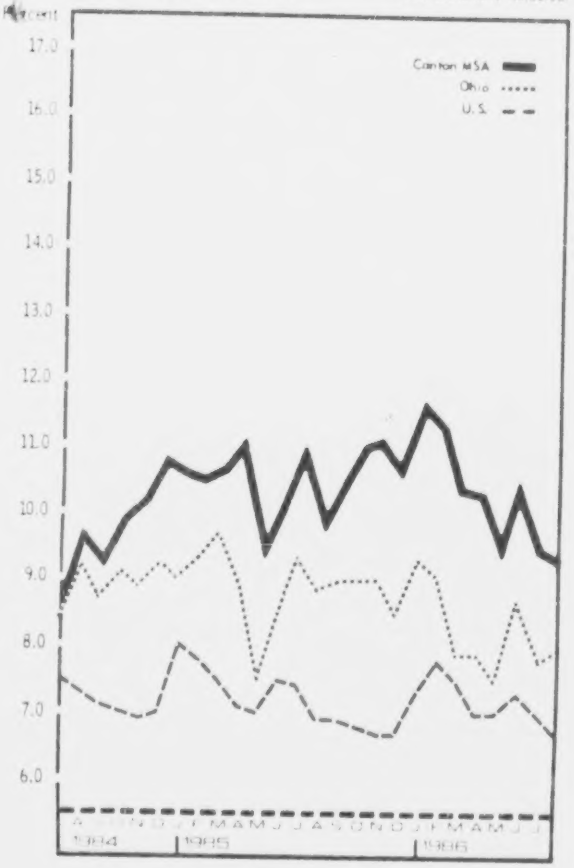
Nonagricultural wage and salary employment for the Canton metropolitan area totaled 159,200 in September, an increase of 1,500 jobs from August. An expansion of 1,400 occurred in nonmanufacturing as local school employment advanced seasonally with the return of nonfaculty personnel. Manufacturing employment remained virtually unchanged at 45,200. Manufacturing production workers averaged 39.8 hours per week, down fractionally from August. Their average hourly earnings rose $.02 from last month, to $11.26.

Nonagricultural employment registered growth of 5,300 from September 1985. Increased employment occurred in all nonmanufacturing industries. Retail trade and services had the greatest gains. A decline of 1,200 manufacturing jobs was recorded, with a noteworthy reduction in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



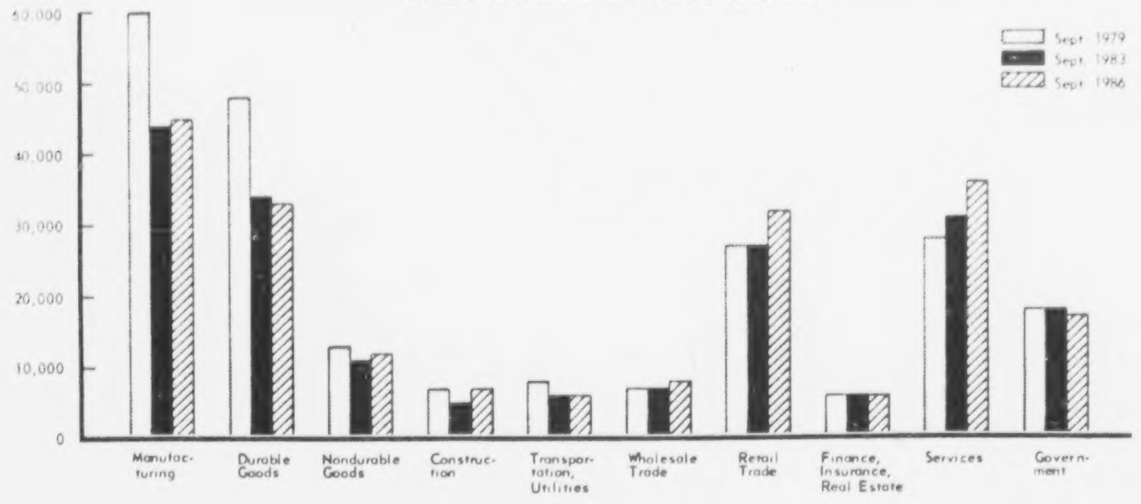
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.7	158.0	16.7	9.6	1975	145.0	55.3	40.6	$204.22	[illegible]	$ [illegible]
174.4	158.6	15.8	9.1	1976	145.9	56.8	40.4	244.77	39.6	6.18
175.9	163.1	12.9	7.3	1977	145.8	55.0	41.1	271.26	39.7	[illegible]
179.9	170.0	9.9	5.5	1978	154.1	57.1	42.2	300.07	40.3	[illegible]
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	332.80	40.0	8.28
[illegible]	170.4	16.8	8.9	1980	157.1	[illegible]	40.1	349.01	39.2	[illegible]
[illegible]	175.1	19.2	9.7	1981	156.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	14.1	1982	148.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	153.5	25.5	14.7	1983	143.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	178.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	[illegible]
[illegible]	[illegible]	20.0	10.5	1985	[illegible]	46.3	33.8	[illegible]	[illegible]	[illegible]
				1985						
[illegible]	172.8	18.5	9.8	August	[illegible]	46.3	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	20.8	10.5	September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	21.1	[illegible]	October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	21.6	11.1	November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	20.3	10.6	December	[illegible]	46.0	[illegible]	[illegible]	[illegible]	[illegible]
				1986						
[illegible]	168.8	22.4	11.7	January	152.3	45.8	32.7	[illegible]	[illegible]	11.21
[illegible]	[illegible]	21.9	11.4	February	152.7	46.1	[illegible]	[illegible]	[illegible]	11.17
[illegible]	174.1	20.2	10.4	March	153.2	45.6	32.6	[illegible]	[illegible]	[illegible]
[illegible]	174.4	19.9	10.3	April	156.0	45.6	32.6	[illegible]	39.8	11.10
[illegible]	173.3	18.1	9.4	May	157.6	45.6	32.9	444.09	39.8	11.13
[illegible]	174.1	20.4	10.5	June	158.2	45.4	32.5	[illegible]	39.9	11.25
[illegible]	177.6	18.6	9.5	July	157.8	45.0	32.1	449.92	40.1	11.21
[illegible]	176.7	17.9	9.3	August	157.7	45.2	32.3	448.46	39.9	11.24
*NA	*NA	*NA	*NA	September	159.2	45.2	32.4	448.15	39.8	11.26

*NA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1986[b]	August 1986[c]	September 1985[c]	From Last Month	From Last Year
TOTAL	159.2	157.7	153.9	1.5	5.3
MANUFACTURING	45.2	45.2	46.4	.1	- 1.2
Durable Goods[e]	33.3	33.3	34.5	.0	- 1.2
Primary metal industries	11.2	11.1	11.1	.2	.2
Fabricated metal products	6.7	6.7	7.3	.0	- .6
Metal forgings and stampings	2.3	2.3	2.8	.0	- .4
Nondurable Goods[f]	11.9	11.8	11.9	.1	.0
Food and kindred products	4.3	4.4	4.4	- .1	- .1
Rubber and misc. plastics products	2.6	2.5	2.9	.0	- .2
NONMANUFACTURING[g]	114.0	112.5	107.5	1.4	6.5
CONSTRUCTION	6.8	6.7	6.2	.1	.5
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	6.0	.0	.1
Communication, electric, gas services	2.7	2.7	2.7	.0	- .1
WHOLESALE TRADE	8.0	8.1	7.9	- .1	.1
Wholesale trade-durable goods	4.5	4.5	4.5	- .1	.0
RETAIL TRADE	32.3	32.1	29.4	.2	3.0
General merchandise stores	3.9	3.9	3.6	.1	.3
Food stores	5.4	5.4	5.1	.0	.4
FINANCE, INSURANCE, AND REAL ESTATE	6.2	6.3	6.2	- .1	.0
Banking	1.8	1.8	1.8	.0	.0
SERVICES	35.9	35.7	33.6	.2	2.3
Health services	14.1	14.1	13.9	.0	.2
GOVERNMENT	17.3	16.2	17.1	1.2	.2
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.3	13.1	14.1	1.2	.2
Local government education	8.3	7.2	8.0	1.1	.3
Local government, except education	6.0	5.9	6.1	.1	- .1

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

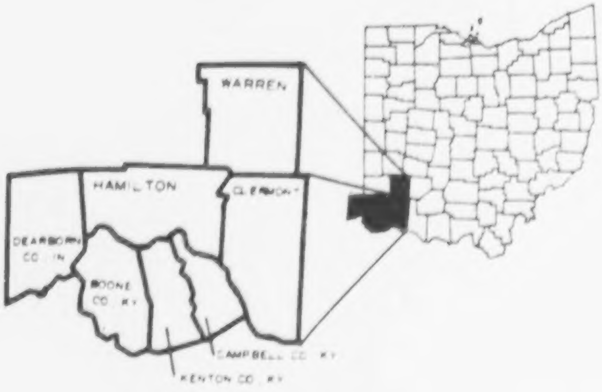
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MANUFACTURING	$446.35	$446.45	$475.30	38.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[e]	466.34	465.41	454.4[illegible]	39.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	463.60	490.75	465.[illegible]	36.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	500.44	512.68	489.50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	567.75	613.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[f]	393.41	394.32	385.25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	414.82	397.38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	429.83	442.25	451.79	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES[g]	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, machinery except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	1,326	2,997	2,0[illegible]
Active File of Job Seekers	[illegible]	20,091	17,352
Referrals to Jobs	484	384	1,208
Placements	302	278	272
Job Openings Received	497	424	1,388
Job Openings Unfilled	294	400	481
Unemployment Insurance Program			
Initial Claims	5,392	2,875	2,551
Continued Claims	21,281	17,221	19,720
First Payments	720	1,280	1,024
Last Payments	351	414	249
Weeks Compensated	12,734	15,074	14,045
Benefits Paid	$1,755,616	$2,089,249	$2,084,054
Average Weekly Payment	$142.82	$143.37	$151.84

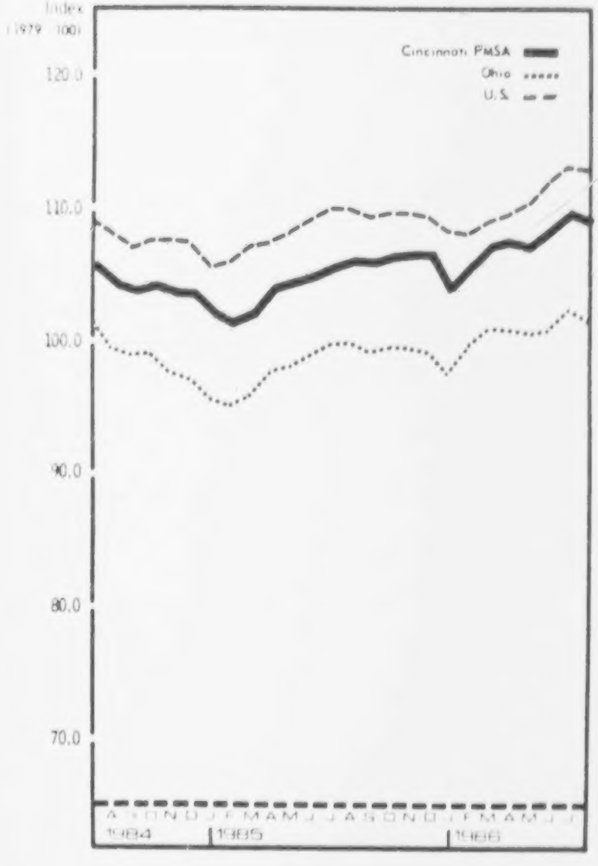
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



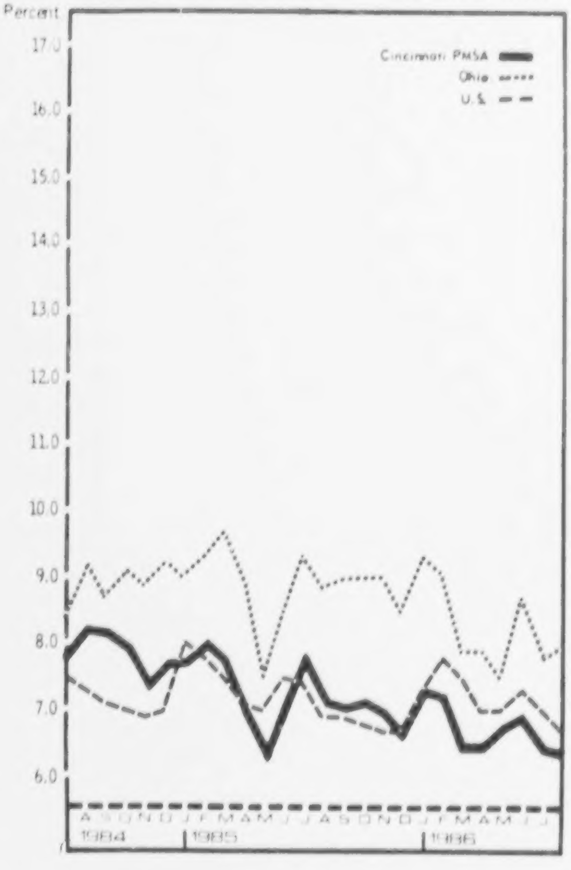
Nonagricultural wage and salary employment in Cincinnati increased 5,300 from August, to 663,800 in September. Nonmanufacturing employment increased 5,100. Seasonal losses in amusement and recreation services were overshadowed by the sharp increase in nonfaculty employment in state and local schools. Factory employment rose slightly to 149,100. Manufacturing production workers averaged $10.78 per hour, up $.05. Their average workweek increased .2 hours, to 42.4 hours.

Nonfarm employment rose 24,900 from September 1985. Significant advances in services and retail trade contributed most to the increase, although nearly every nonmanufacturing industry recorded growth over the year. Manufacturing employment rose 300, with gains in chemicals and allied products and rubber and miscellaneous plastics products offsetting declines in most durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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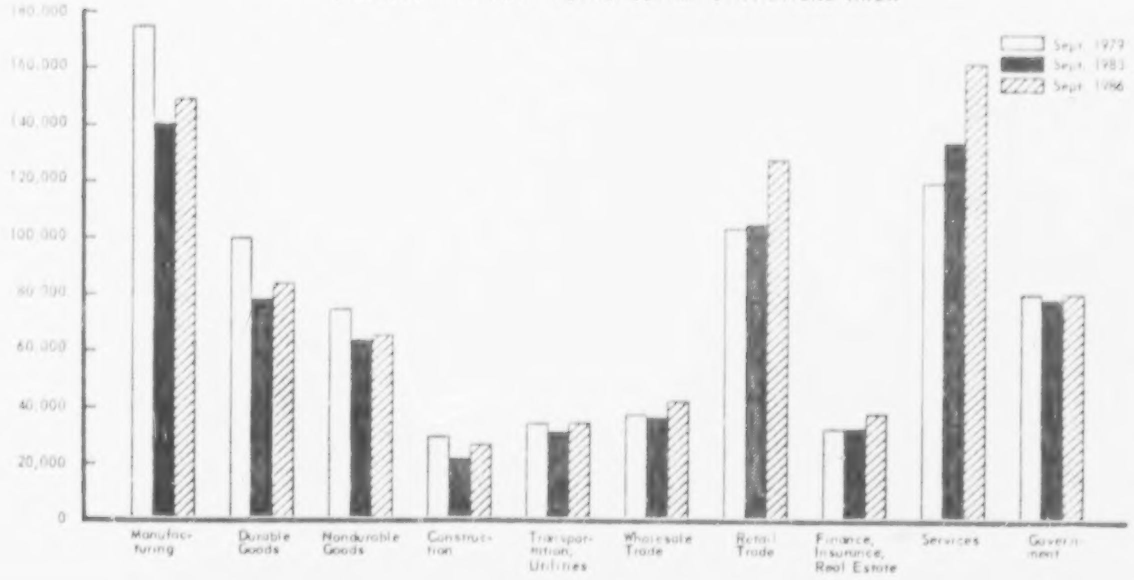
N/A information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1986^{p}	August 1986^{c}	September 1985^{c}	From Last Month	From Last Year
TOTAL	663.8	658.5	638.9	5.3	24.9
MANUFACTURING	149.1	148.8	148.8	.3	.3
Durable Goods*	83.5	83.4	84.0	.1	- .5
Fabricated metal products	10.9	10.9	11.0	.0	- .1
Fabricated structural metal products	3.9	3.9	4.0	.0	- .1
Machinery, except electrical	20.8	20.9	21.6	- .1	- .8
Metalworking machinery	8.9	8.9	9.6	.0	- .7
General industrial machinery	2.8	2.9	2.9	- .1	- .1
Electric and electronic equipment	7.7	7.8	7.8	- .1	- .1
Transportation equipment	29.1	28.9	28.6	.2	.5
Motor vehicles and equipment	8.6	8.6	10.1	.0	- 1.5
Nondurable Goods	65.7	65.6	64.9	.1	.8
Food and kindred products	12.9	13.0	12.9	- .1	.0
Beverages	4.2	4.2	4.2	.0	.0
Apparel and other textile products	3.4	3.2	3.7	.2	- .3
Paper and allied products	6.3	6.2	6.0	.1	.3
Printing and publishing	12.2	12.2	12.5	.0	- .3
Commercial printing	5.4	5.3	5.5	.1	- .1
Chemicals and allied products	22.2	22.2	21.5	.0	.7
Rubber and misc. plastics products	5.8	5.6	5.2	.2	.6
NONMANUFACTURING	514.7	509.6	490.0	5.1	24.7
CONSTRUCTION	27.1	26.9	26.1	.2	1.0
TRANSPORTATION AND PUBLIC UTILITIES	34.7	34.6	33.9	.1	.8
Trucking and warehousing	10.6	10.5	10.0	.1	.6
Communication, electric, gas services	14.5	14.6	14.8	- .1	- .3
WHOLESALE TRADE	43.1	43.1	41.3	.0	1.8
Wholesale trade durable goods	25.6	25.7	24.5	- .1	1.1
RETAIL TRADE	127.7	127.0	120.3	.7	7.4
General merchandise stores	20.5	20.2	19.0	.3	1.5
FINANCE, INSURANCE, AND REAL ESTATE	38.1	38.0	35.8	.1	2.3
Banking	8.3	8.4	7.9	- .1	.4
Insurance carriers	12.0	11.9	11.4	.1	.6
SERVICES	162.2	162.3	151.7	.0	10.6
Hotels and other lodging places	7.2	7.2	6.3	.0	.8
Personal services	8.4	8.4	7.6	.0	.8
Business services	36.9	36.7	31.7	.2	5.2
Amusement and recreation services	9.3	10.6	9.5	- 1.3	- .2
Health services	47.8	47.8	46.3	.0	1.5
GOVERNMENT	81.3	77.2	81.1	4.2	.2
Federal government	12.9	12.9	12.8	.0	.1
State government	18.1	17.3	17.7	.8	.4
State government education	10.1	9.2	10.3	.9	- .2
State government, except education	8.0	8.1	7.4	- .1	.6
Local government	50.4	47.0	50.6	3.4	- .2
Local government education	27.9	24.4	28.5	3.5	- .6
Local government, except education	22.5	22.6	22.1	- .1	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MANUFACTURING	$457.07	$452.61	$444.52	42.4	42.2	41.7	$10.78	$10.73	[illegible]
Durable Goods[e]	467.80	452.34	447.49	42.8	[illegible]	41.8	10.93	[illegible]	[illegible]
Fabricated metal products	413.58	421.16	413.21	[illegible]	[illegible]	[illegible]	9.52	[illegible]	[illegible]
Fabricated structural metal products	438.23	478.14	455.82	44.4	47.2	45.4	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	460.27	[illegible]	445.85	42.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	43.7	[illegible]	41.1	9.46	[illegible]	[illegible]
Electric and electronic equipment	362.85	341.42	[illegible]	[illegible]	[illegible]	[illegible]	8.85	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	45.4	[illegible]	41.8	14.58	[illegible]	[illegible]
Motor vehicles and equipment	651.46	[illegible]	[illegible]	44.9	42.0	44.8	[illegible]	[illegible]	[illegible]
Nondurable Goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.5	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	516.73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	455.60	444.14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	381.18	[illegible]	40.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[h]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	.....	.....	.....

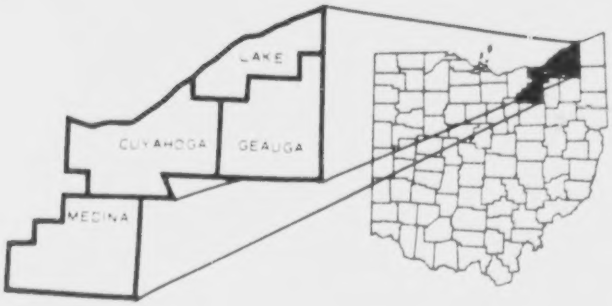
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	4,134	3,823	4,652
Active File of Job Seekers	[illegible]	26,582	[illegible]
Referrals to Jobs	2,047	1,934	2,448
Placements	606	667	734
Job Openings Received	1,265	1,854	1,279
Job Openings Unfilled	1,735	2,365	[illegible]
Unemployment Insurance Program			
Initial Claims	4,213	5,715	4,231
Continued Claims	36,114	38,207	32,961
First Payments	1,858	2,231	1,460
Last Payments	799	856	721
Weeks Compensated	25,222	32,944	25,172
Benefits Paid	$3,702,221	$4,664,310	$3,592,467
Average Weekly Payment	$144.17	$144.53	$140.42

[a]Ohio data only

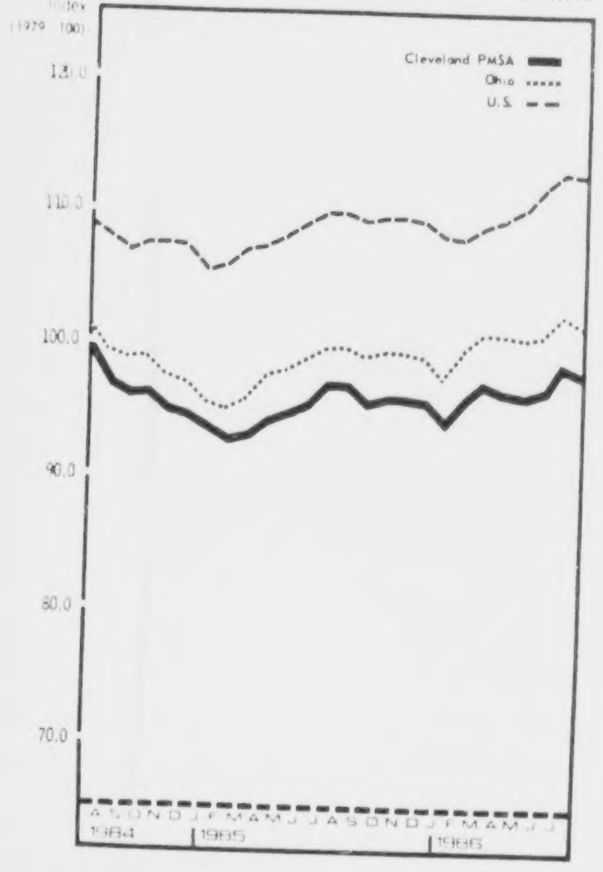
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



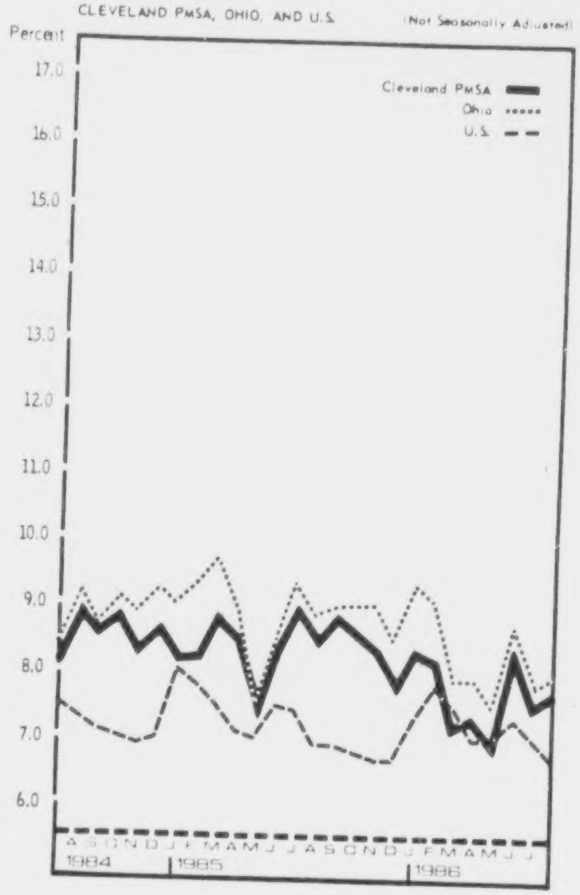
In the Cleveland metropolitan area, nonagricultural wage and salary employment advanced 3,600 over the August level, to 896,500 in September. Nonmanufacturing employment rose 2,000 as services expanded seasonally. Manufacturing employment increased 1,600, to 204,100. Growth in motor vehicles and equipment and rubber and plastics products contributed most, although gains were recorded in most durable-goods industries. Manufacturing production workers earned an average of $11.43 per hour, up slightly from last month. Their average workweek increased .3 hours, to 42.4 hours.

Since September 1985, nonfarm employment advanced 20,400. The most significant gains were noted in services, retail trade, and government. Manufacturing employment declined 5,300 over the period. The loss was concentrated in nonelectrical machinery, instruments and related products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



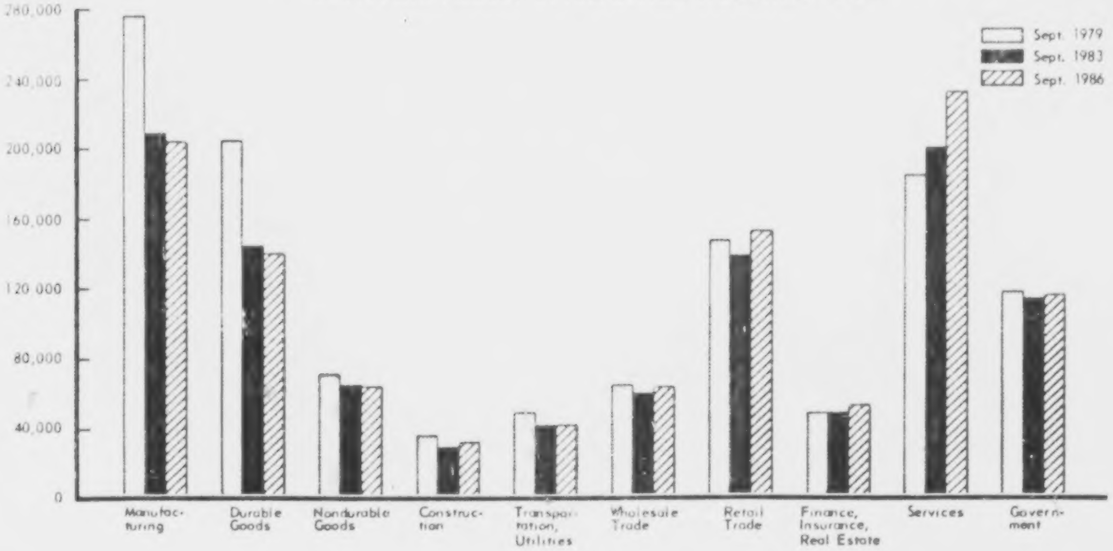
Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
896.8	826.3	70.6	7.8	1975	850.6	260.3	186.0	$227.45	40.4	$ 5.63
897.7	834.4	63.3	7.0	1976	865.2	[illegible]	190.3	260.52	41.8	6.22
[illegible]	854.4	[illegible]	5.9	1977	880.1	[illegible]	194.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.0	275.1	199.1	321.75	42.9	7.50
935.8	888.1	46.7	5.0	1979	913.8	270.3	198.5	337.02	41.7	8.08
917.1	849.1	68.1	7.4	1980	895.7	[illegible]	180.2	352.78	40.6	8.69
933.9	854.1	79.8	8.5	1981	891.7	250.3	181.5	395.38	41.1	9.62
933.4	811.2	122.2	13.1	1982	844.6	[illegible]	157.6	407.49	39.9	10.20
928.7	823.6	105.1	11.3	1983	826.8	[illegible]	151.4	427.41	40.9	10.45
923.5	841.0	82.5	8.9	1984	846.3	213.8	137.5	456.12	42.0	10.86
922.0	845.5	76.5	8.3	1985	859.3	218.7	135.1	467.76	41.8	11.19
				1985						
940.8	862.0	78.7	8.4	August	873.7	[illegible]	133.0	466.21	41.7	11.18
928.5	846.9	81.6	8.8	September	875.1	[illegible]	134.3	472.92	42.0	11.26
932.9	851.7	[illegible]	[illegible]	October	[illegible]	[illegible]	134.1	467.58	41.6	11.24
[illegible]	852.8	76.4	[illegible]	November	[illegible]	[illegible]	134.8	467.58	41.6	11.24
923.1	851.9	71.2	7.7	December	884.2	[illegible]	134.0	480.11	42.3	11.35
				1986						
913.8	837.2	76.6	8.3	January	855.6	[illegible]	133.6	474.01	41.8	11.34
[illegible]	[illegible]	74.9	8.1	February	865.1	[illegible]	132.1	477.74	41.9	11.38
[illegible]	[illegible]	66.3	7.1	March	[illegible]	[illegible]	132.3	487.60	42.4	11.50
[illegible]	[illegible]	67.5	7.3	April	[illegible]	[illegible]	132.8	479.76	41.9	11.45
918.2	855.9	62.3	6.8	May	[illegible]	[illegible]	132.7	472.69	41.5	11.39
940.1	861.4	78.7	8.4	June	[illegible]	[illegible]	132.3	480.36	42.1	11.41
949.4	878.1	71.3	7.5	July	[illegible]	[illegible]	129.8	459.82	40.8	11.27
941.5	869.1	72.4	7.7	August	[illegible]	[illegible]	135.4	479.94	42.1	11.40
NA	NA	NA	NA	September	[illegible]	[illegible]	130.9	484.63	42.4	11.43

NA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment			Change	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	31.6	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	11.8	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	20.4	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade-durable goods	44.8	44.9	[illegible]	[illegible]	[illegible]
RETAIL TRADE	152.5	152.2	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	19.7	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	52.7	52.9	[illegible]	[illegible]	[illegible]
Banking	13.4	13.6	[illegible]	[illegible]	[illegible]
Credit agencies other than banks	8.6	8.7	[illegible]	[illegible]	[illegible]
Insurance carriers	12.2	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	231.8	229.8	[illegible]	[illegible]	[illegible]
Business services	52.4	51.8	[illegible]	[illegible]	[illegible]
Amusement and recreation services	8.6	9.2	[illegible]	[illegible]	[illegible]
Health services	70.8	70.7	[illegible]	[illegible]	[illegible]
GOVERNMENT	116.1	117.7	[illegible]	[illegible]	[illegible]
Federal government	20.1	20.0	[illegible]	[illegible]	[illegible]
State government	7.7	7.9	7.4	[illegible]	[illegible]
State government education	2.3	2.3	[illegible]	[illegible]	[illegible]
State government, except education	5.5	5.5	[illegible]	[illegible]	[illegible]
Local government	88.3	89.8	[illegible]	[illegible]	[illegible]
Local government education	42.6	40.8	[illegible]	[illegible]	[illegible]
Local government, except education	45.8	49.0	44.7	[illegible]	[illegible]

Hours & Earnings of Production or Nonsupervisory Workers[a]

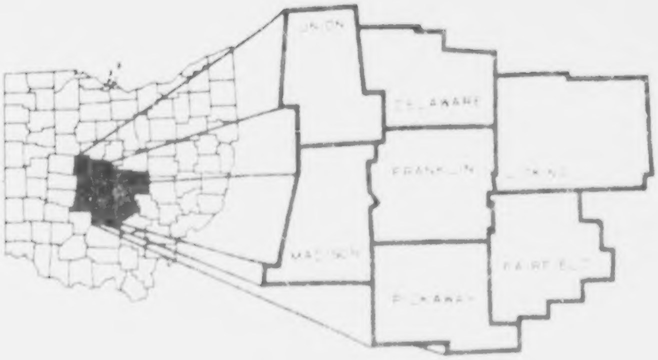
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep., 1986	Aug., 1986	Sep., 1985	Sep., 1986	Aug., 1986	Sep., 1985	Sep., 1986	Aug., 1986	Sep., 1985
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	.....	.....	.....

[illegible]

Selected Administrative Program Activities

	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	7,008	7,409	8,041
Continued Claims	62,379	56,832	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	48,578	50,235	[illegible]
Benefits Paid	$7,116,308	$6,843,751	[illegible]
Average Weekly Payment	$146.81	$143.11	[illegible]

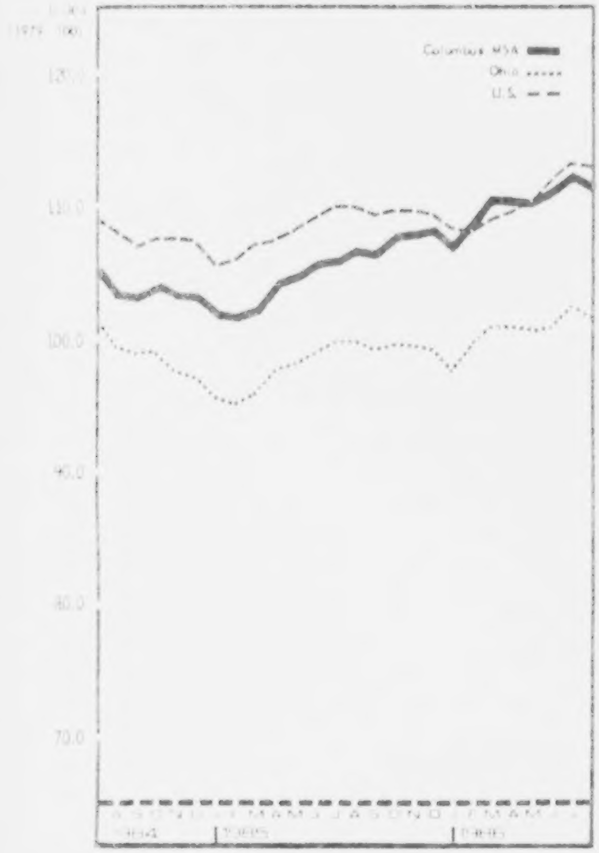
COLUMBUS
METROPOLITAN STATISTICAL AREA



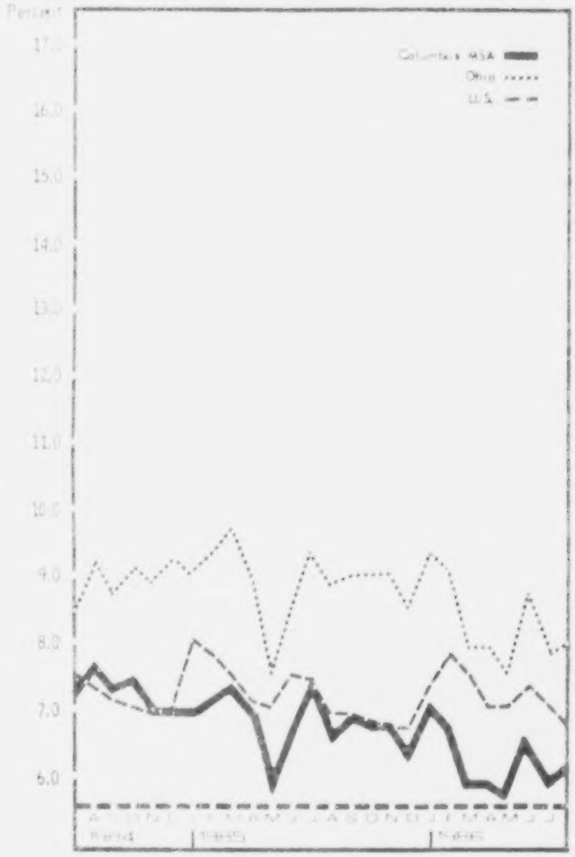
Nonfarm wage and salary employment in the Columbus area totaled 662,200 in September, up 7,600 from August. Nonmanufacturing employment increased by 6,900, due to growth in services and the seasonal return of nonteaching personnel in state and local schools and colleges. Manufacturing employment rose 700. Scattered increases were reported in both durable- and nondurable-goods industries. Manufacturing production workers averaged $11.26 per hour, unchanged from August. The average workweek was 41.4 hours, up .4 hours.

Nonfarm employment rose 35,600 since September 1985. Growth in services and retail trade contributed most to this increase, with government, construction, and finance, insurance, and real estate also expanding over the year. Manufacturing employment declined 1,000, with losses in fabricated metal products, nonelectrical machinery, and electric and electronic equipment overshadowing gains in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



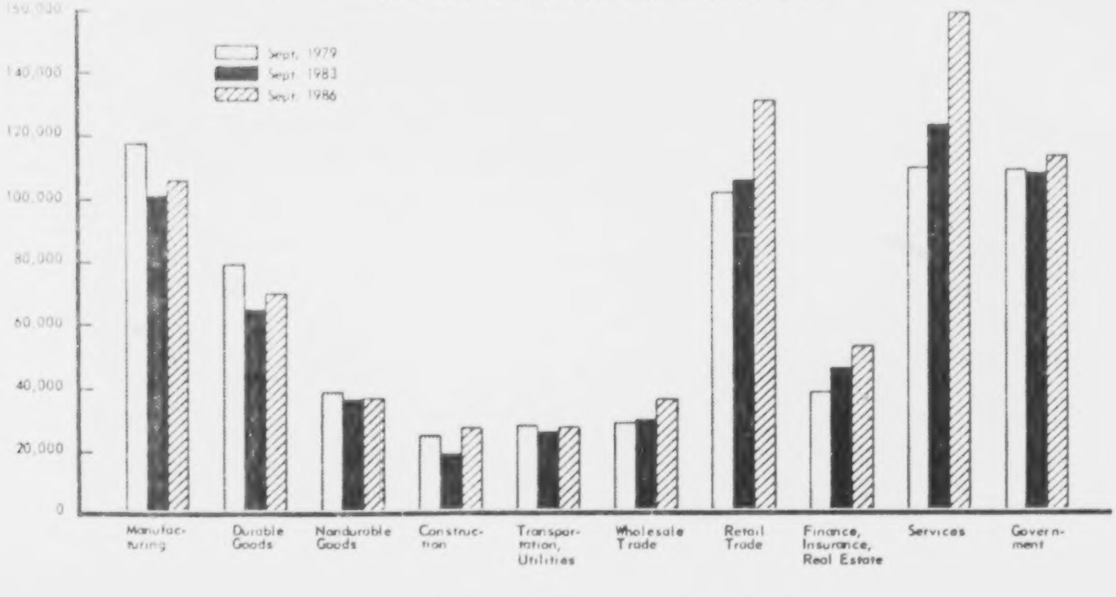
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	489.2	106.6	INA	INA	INA	INA
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.3	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.8	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.8	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	540.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	575.4	104.7	68.3	$426.06	40.5	$10.52
650.4	606.7	43.7	6.7	1985	598.0	105.9	70.8	442.95	40.9	10.83
				1986						
658.7	615.8	42.9	6.5	August	606.5	105.9	70.7	440.49	40.9	10.77
657.4	619.1	38.3	5.8	September	616.4	105.8	71.6	454.53	41.7	10.90
671.8	627.1	44.7	6.7	October	623.9	105.7	71.2	445.26	41.0	10.86
667.3	622.6	44.7	6.7	November	627.4	105.8	71.3	456.62	41.7	10.95
665.3	624.3	41.0	6.2	December	631.4	107.1	71.6	463.14	41.8	11.08
				1987						
661.9	615.7	46.2	7.0	January	620.0	106.8	71.0	451.95	40.9	11.05
671.9	627.0	44.9	6.6	February	619.3	106.3	70.9	453.46	41.0	11.06
675.4	637.3	38.1	5.6	March	624.9	105.7	70.4	460.50	41.3	11.15
676.0	640.9	35.1	5.2	April	635.2	105.7	70.6	462.44	41.4	11.17
672.6	634.8	37.8	5.6	May	642.6	105.3	70.0	461.44	41.2	11.20
685.7	639.4	46.3	6.8	June	646.8	105.0	69.7	460.43	41.0	11.23
684.4	644.7	39.7	5.8	July	640.3	104.8	69.4	458.18	40.8	11.23
684.1	642.6	41.5	6.1	August	644.6	105.0	69.8	461.66	41.0	11.26
INA	INA	INA	INA	September	652.2	105.7	70.4	466.16	41.4	11.26

INA = Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1986[b]	August 1986[c]	September 1985[c]	From Last Month	From Last Year
TOTAL	652.2	644.6	616.4	7.6	35.8
MANUFACTURING	105.7	105.0	108.8	.7	- [illegible]
Durable Goods*	69.7	69.2	[illegible]	.5	- [illegible]
Stone, clay, and glass products	12.2	12.0	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	4.6	4.5	4.8	[illegible]	[illegible]
Fabricated metal products	9.5	9.4	10.4	[illegible]	- .9
Fabricated structural metal products	3.1	3.1	3.2	[illegible]	[illegible]
Machinery, except electrical	9.4	[illegible]	[illegible]	[illegible]	- [illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	16.7	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	4.3	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	36.0	35.8	[illegible]	.2	[illegible]
Food and kindred products	9.7	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	6.9	6.9	[illegible]	[illegible]	- [illegible]
Rubber and misc. plastics products	5.1	5.0	[illegible]	.1	[illegible]
NONMANUFACTURING	546.5	539.6	[illegible]	6.9	[illegible]
CONSTRUCTION	25.9	26.7	24.0	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	26.7	26.5	[illegible]	.2	[illegible]
Trucking and warehousing	11.6	11.5	[illegible]	.1	[illegible]
Communication, electric, gas services	10.7	10.7	[illegible]	.0	- .6
WHOLESALE TRADE	35.5	35.6	33.9	- .1	[illegible]
Wholesale trade-durable goods	23.9	24.1	[illegible]	- .2	[illegible]
RETAIL TRADE	131.2	130.6	122.9	.6	8.3
General merchandise stores	16.2	15.9	15.8	.3	.4
FINANCE, INSURANCE, AND REAL ESTATE	52.7	53.0	49.9	- .3	2.7
Banking	11.4	11.4	10.9	[illegible]	.5
Insurance carriers	20.4	20.4	19.5	- [illegible]	.9
SERVICES	159.1	156.7	142.4	2.4	16.7
Business services	37.4	37.2	31.8	.2	5.6
Health services	38.1	37.8	36.1	.2	2.0
GOVERNMENT	113.4	109.6	109.4	3.8	4.0
Federal government	15.6	15.6	15.1	.0	.5
State government	48.4	48.0	46.2	.4	2.2
State government education	18.3	17.6	17.7	.7	.6
State government, except education	30.1	30.4	28.4	- .3	1.7
Local government	49.4	46.0	48.2	3.4	1.2
Local government education	28.8	25.3	28.4	3.5	.4
Local government, except education	20.6	20.7	19.8	- .1	.8

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

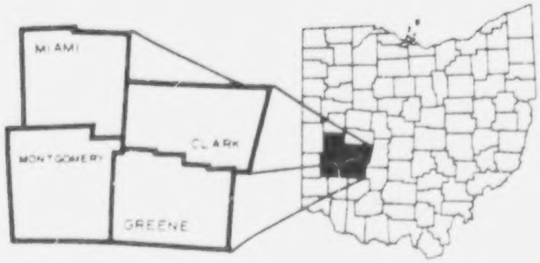
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	41.0	41.7	$11.28	[illegible]	[illegible]
Durable Goods[e]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.4	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.9	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	.....	.....	.....

[a]See Technical Notes on concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments [illegible] not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, [illegible] agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1986	August 1986	September 1985
EMPLOYMENT SERVICE PROGRAM			
New Applicants	4,866	5,340	[illegible]
Active File of Job Seekers	36,664	38,371	[illegible]
Referrals to Jobs	3,153	4,768	[illegible]
Placements	1,147	2,724	[illegible]
Job Openings Received	2,811	4,755	[illegible]
Job Openings Unfilled	6,854	6,422	[illegible]
Unemployment Insurance Program			
Initial Claims	4,970	5,048	3,906
Continued Claims	35,318	33,922	33,323
First Payments	1,881	1,807	1,550
Last Payments	498	683	526
Weeks Compensated	25,227	28,530	25,913
Benefits Paid	$3,625,454	$4,079,127	$3,634,640
Average Weekly Payment	$147.37	$146.07	$143.06

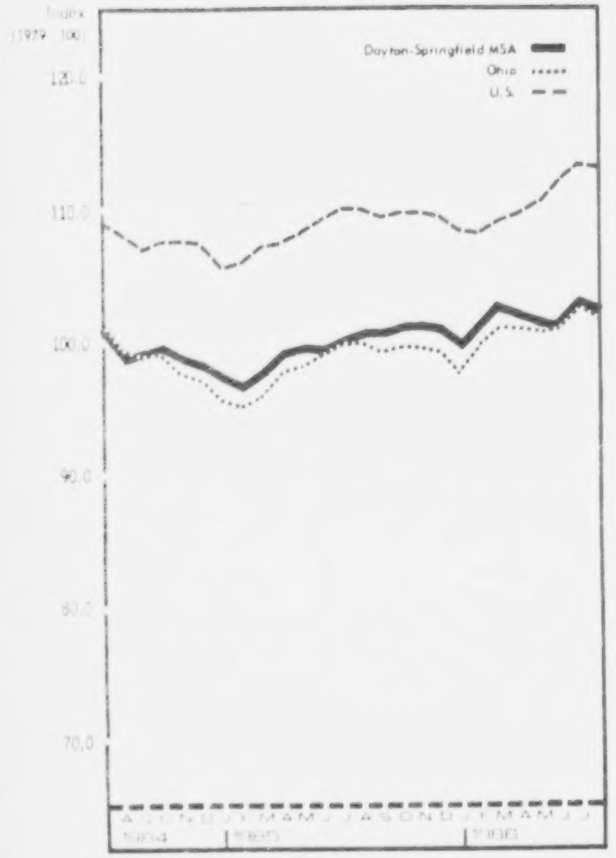
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



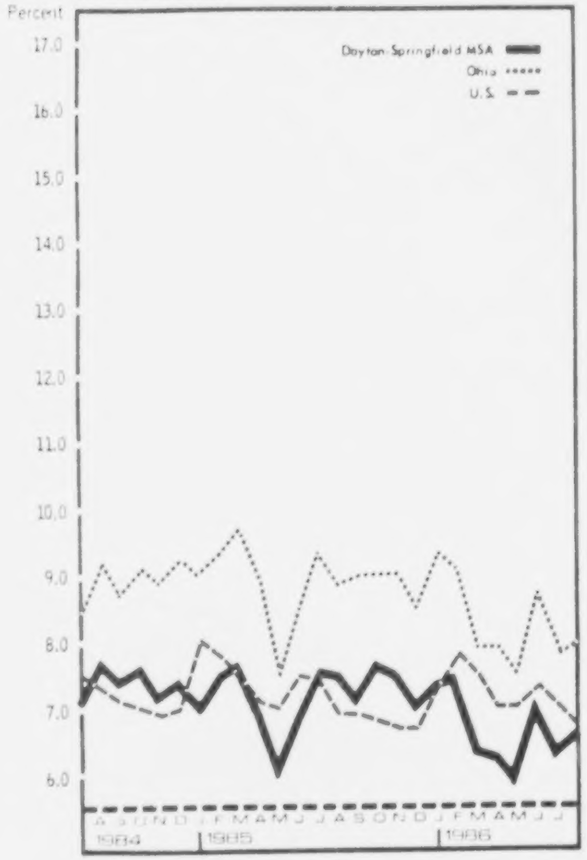
Nonagricultural wage and salary employment in the Dayton-Springfield area totaled 427,400 in September, an increase of 7,200 from August. Employment in nonmanufacturing rose 6,800 over the month with seasonal increases in local schools, and growth in retail trade and services. Manufacturing employment rose 400 from August. The increase occurred in the nondurable-goods sector, especially rubber and plastics products. Production workers in manufacturing earned an average of $12.03 per hour, up $.10 from August. The average workweek increased .7 hours, to 42.8 hours.

Since September 1985, nonagricultural wage and salary employment increased 13,200. Growth in services, retail trade, and construction contributed most to this gain. Over the year, manufacturing employment declined 2,500. The loss was concentrated in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



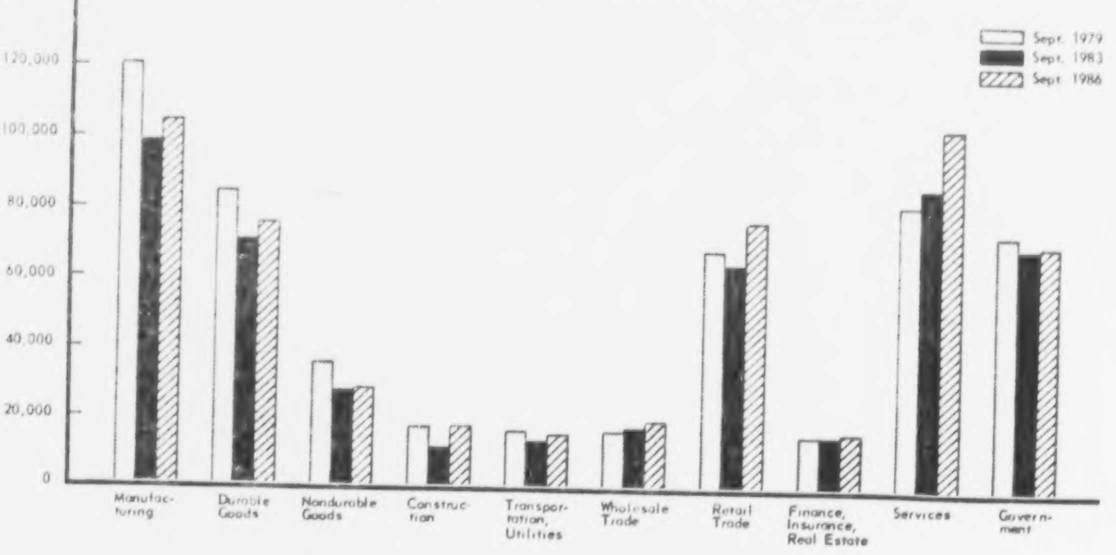
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	360.1	112.5	INA	INA	INA	INA
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.7	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	108.0	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.9	391.3	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
452.0	416.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
467.9	435.6	32.3	7.2	1985	407.8	106.4	69.1	517.10	43.2	11.97
				1985						
454.4	420.1	33.3	7.5	August	409.5	106.4	68.4	503.11	42.6	11.81
452.3	420.1	32.3	7.1	September	414.2	107.3	69.4	528.77	43.7	12.10
457.1	422.1	35.0	7.7	October	415.5	107.2	69.5	509.50	42.6	11.96
456.5	422.3	34.2	7.5	November	417.4	106.8	69.4	518.15	43.0	12.05
453.7	421.7	31.9	7.0	December	418.2	106.6	69.3	549.92	44.6	12.33
				1986						
448.1	414.9	33.2	7.4	January	409.9	105.7	68.5	534.45	43.7	12.23
457.2	422.7	34.5	7.5	February	409.1	105.5	68.3	532.61	43.8	12.16
459.4	429.9	29.5	6.4	March	413.1	105.2	67.9	526.44	43.4	12.13
455.1	426.3	28.8	6.3	April	417.0	104.7	67.7	510.85	42.5	12.02
450.9	424.4	26.5	5.9	May	421.0	104.6	67.5	515.31	42.8	12.04
455.5	423.0	32.5	7.1	June	419.9	104.6	67.0	518.06	43.1	12.02
459.2	430.1	29.1	6.3	July	418.0	104.1	66.5	511.28	42.5	12.03
455.3	425.0	30.4	6.6	August	420.2	104.4	66.6	502.25	42.1	11.93
INA	INA	INA	INA	September	427.4	104.8	67.2	514.88	42.8	12.03

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton - Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1986[b]	August 1986[c]	September 1985[c]	From Last Month	From Last Year
TOTAL	427.4	420.2	414.2	7.2	13.2
MANUFACTURING	104.8	104.4	107.3	.4	- 2.5
Durable Goods[e]	75.7	75.7	77.6	.0	- 2.0
Fabricated metal products	8.4	8.6	8.6	- .1	- .2
Machinery, except electrical	31.3	31.5	32.3	- .2	- 1.0
Metalworking machinery	6.9	6.9	7.0	.0	- .1
General industrial machinery	2.6	2.6	2.9	.0	- .3
Electric and electronic equipment	5.1	5.1	5.4	.0	- .3
Electrical industrial apparatus	2.8	2.8	3.0	.0	- .2
Transportation equipment	22.0	21.8	22.0	.2	.0
Nondurable Goods[f]	29.1	28.7	29.6	.4	- .5
Food and kindred products	2.9	2.8	2.9	.1	.0
Paper and allied products	5.7	5.7	5.8	.0	- .1
Printing and publishing	8.6	8.6	8.4	.0	.2
Rubber and misc. plastics products	8.3	8.0	8.5	.3	- .2
NONMANUFACTURING[g]	322.6	315.8	307.0	6.8	15.7
CONSTRUCTION	17.6	17.5	15.2	.1	2.4
TRANSPORTATION AND PUBLIC UTILITIES	15.6	15.5	14.8	.1	.8
Communication, electric, gas services	5.9	5.9	6.0	- .1	- .1
WHOLESALE TRADE	20.1	19.9	19.2	.1	.8
Wholesale trade-durable goods	13.5	13.5	13.0	.0	.5
RETAIL TRADE	77.0	76.3	72.4	.7	4.6
General merchandise stores	11.3	11.1	11.2	.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	17.4	17.6	16.9	- .1	.5
Banking	4.3	4.3	4.2	.0	.1
Credit agencies other than banks	4.8	4.8	4.4	.0	.4
Insurance carriers	2.7	2.7	3.0	- .1	- .3
SERVICES	103.8	101.6	96.4	2.3	7.4
Business services	24.6	24.2	21.2	.3	3.4
Health services	34.4	34.4	33.6	.1	.8
Educational services	8.1	5.8	6.9	2.3	1.2
GOVERNMENT	70.6	67.0	71.5	3.6	- .9
Federal government	27.5	27.7	28.2	- .1	- .7
State government	5.9	6.0	5.7	- .1	.2
State government education	3.3	3.2	3.1	.0	.2
State government, except education	2.6	2.7	2.6	- .1	.0
Local government	37.2	33.3	37.6	3.9	- .4
Local government education	22.9	18.5	23.3	4.5	- .3
Local government, except education	14.3	14.9	14.4	- .6	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

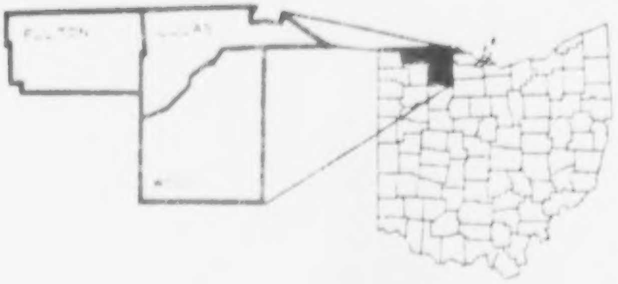
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep., 1986[p]	Aug., 1986[r]	Sep., 1985	Sep., 1986[p]	Aug., 1986[r]	Sep., 1985	Sep., 1986[p]	Aug., 1986[r]	Sep., 1985
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.33
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.3	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44.2	12.80	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.2	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.8	10.47	10.54	10.41
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	41.8	[illegible]	42.8	9.28	[illegible]	9.30
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	45.9	[illegible]	44.7	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46.7	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.8	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.2	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44.8	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.8	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.0	[illegible]	[illegible]	[illegible]
RETAIL TRADE*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.8	[illegible]	[illegible]	[illegible]

*See Technical Notes for concepts. [illegible] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, [illegible] manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products [illegible] agricultural research centers and the Ohio Department of Education. [illegible] labor management disputes.

Selected Administrative Program Activities

	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	2,0[illegible]4	2,999	2,897
Active File of Job Seekers	[illegible]5,71[illegible]	25,847	20,853
Referrals to Jobs	[illegible]	2,130	1,390
Placements	2[illegible]8	437	309
Job Openings Received	[illegible]	1,008	1,133
Job Openings Unfilled	1,[illegible]44	1,325	1,630
Unemployment Insurance Program			
Initial Claims	3,044	4,904	3,188
Continued Claims	[illegible]2,823	25,416	22,127
First Payments	1,319	1,829	1,161
Last Payments	4[illegible]7	450	377
Weeks Compensated	17,290	20,516	16,994
Benefits Paid	$2,344,041	$2,776,082	$2,218,131
Average Weekly Payment	$138.80	$138.02	$133.42

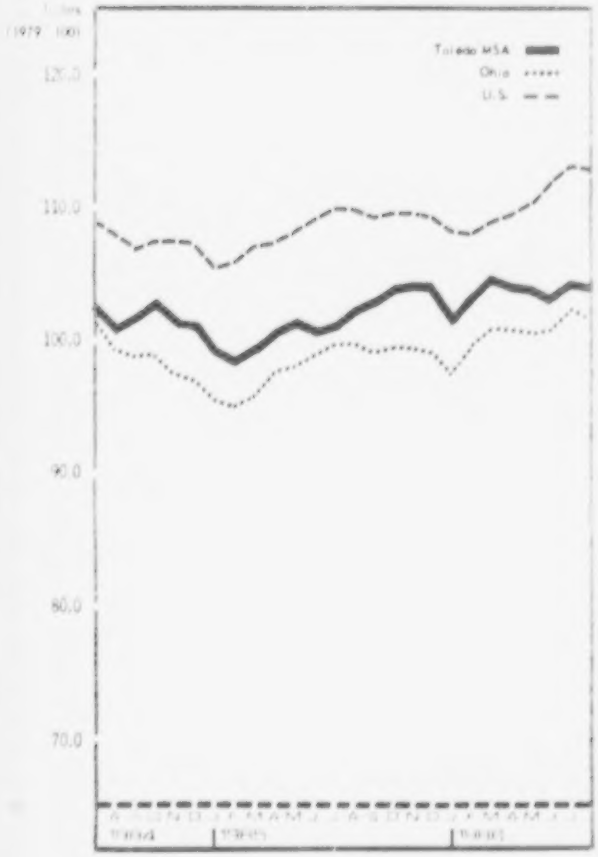
TOLEDO
METROPOLITAN STATISTICAL AREA



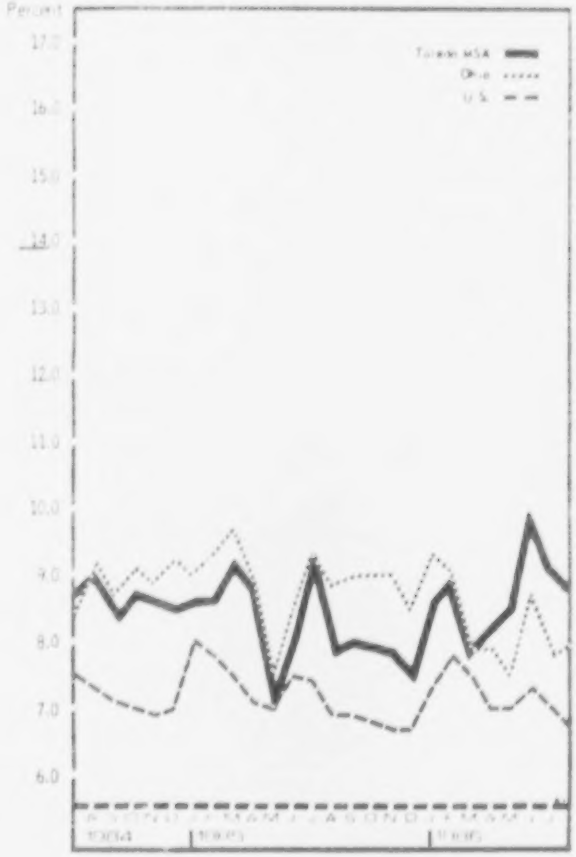
Nonagricultural wage and salary employment in the Toledo area increased 5,700 from last month to a September level of 276,900. Nonmanufacturing employment rose 5,500, due chiefly to the seasonal return of nonteaching personnel to state and local schools. Manufacturing gained 200 workers, with all divisions steady or showing slight gains. Manufacturing production workers earned an average of $12.30 per hour, down $.02 from last month. Their average workweek increased by .6 hours to 42.7 hours.

Between September 1985 and September 1986, nonagricultural wage and salary employment rose 7,100. The increase occurred in nonmanufacturing, with significant gains reported in services (+5,000) and retail trade (+2,800). Manufacturing employment declined by 4,500, due largely to losses in motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

[illegible]	Total Employed	Unemployed Total	Unemployed Rate	Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
NA	[illegible]	NA	NA	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
NA	NA	NA	NA	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
NA	NA	NA	[illegible]	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
NA	NA	NA	NA	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
NA	NA	NA	[illegible]	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
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NA	NA	NA	[illegible]	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NA	NA	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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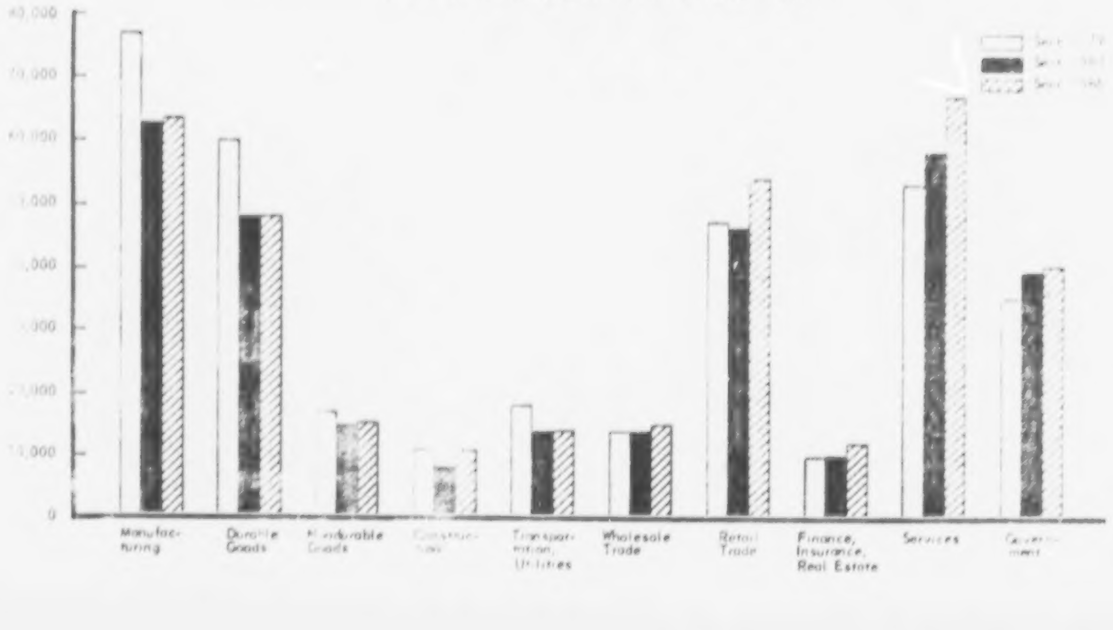
[illegible]	[illegible]	31.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	29.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	29.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	32.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	28.0	9.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	26.8	8.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NA	NA	NA	NA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NA - Information Not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1986[b]	August 1986[c]	September 1985[c]	From Last Month	From Last Year
TOTAL	276.9	271.3	269.8	5.7	7.1
MANUFACTURING	63.5	63.3	68.0	.2	- 4.5
Durable Goods[e]	48.0	47.9	53.4	.1	- 5.4
Stone, clay, and glass products	8.7	8.8	8.9	.0	- .2
Primary metal industries	3.3	3.2	3.6	.2	- .3
Fabricated metal products	7.8	7.8	8.0	.0	- .2
Metal forgings and stampings	3.5	3.4	3.7	.1	- .2
Machinery, except electrical	6.0	5.9	6.2	.1	- .2
Electric and electronic equipment	2.8	2.8	3.1	.0	- .3
Transportation equipment	15.3	15.3	19.6	.0	- 4.3
Motor vehicles and equipment	14.3	14.4	18.5	.0	- 4.2
Nondurable Goods[f]	15.5	15.4	14.6	.1	.8
Food and kindred products	4.8	4.8	4.5	.1	.4
Rubber and misc. plastics products	3.2	3.2	2.9	.1	.4
NONMANUFACTURING[g]	213.4	208.0	201.8	5.5	11.7
CONSTRUCTION	10.6	10.5	9.4	.1	1.2
TRANSPORTATION AND PUBLIC UTILITIES	14.2	14.1	13.9	.1	.3
Trucking and warehousing	5.7	5.7	5.4	.1	.3
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
WHOLESALE TRADE	15.2	15.3	15.0	- .1	.2
Wholesale trade-durable goods	10.1	10.1	10.1	- .1	.0
RETAIL TRADE	53.9	53.5	51.0	.3	2.8
General merchandise stores	7.2	7.1	7.2	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.6	11.6	10.4	.0	1.2
Banking	4.0	4.0	3.4	.0	.6
SERVICES	67.4	66.7	62.5	.7	5.0
Business services	12.8	12.7	11.3	.1	1.6
Health services	25.6	25.5	24.7	.0	.9
GOVERNMENT	40.3	36.0	39.3	4.3	1.0
State government	14.3	11.5	13.9	2.8	.4
State government education	10.3	7.4	10.0	2.8	.2
State government, except education	4.0	4.1	3.9	- .1	.2
Local government	23.5	21.9	22.9	1.6	.6
Local government education	13.4	11.5	12.9	1.8	.5
Local government, except education	10.1	10.4	10.0	- .3	.1

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

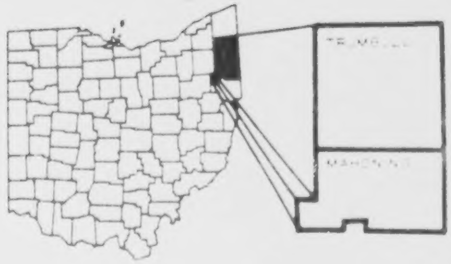
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MANUFACTURING	$525.21	$519.90	$536.60	42.7	42.2	43.1	$12.30	$12.32	$12.45
Durable Goods[e]	560.30	547.36	568.11	43.3	42.3	43.6	12.94	12.94	13.03
Stone, clay, and glass products	545.54	539.61	549.53	43.4	43.1	43.1	12.57	12.52	12.75
Primary metal industries	518.47	485.83	517.04	45.4	43.3	46.0	11.42	11.22	11.24
Fabricated metal products	531.57	506.20	485.55	43.5	41.8	41.5	12.22	12.11	11.70
Metal forgings and stampings	611.83	627.30	564.07	44.4	45.0	42.7	13.78	13.94	13.21
Machinery, except electrical	462.59	463.68	443.72	41.6	41.4	41.9	11.12	11.20	10.59
Electric and electronic equipment	592.30	565.92	490.77	44.4	43.2	41.0	13.34	13.10	11.97
Transportation equipment	657.71	653.31	684.62	43.1	42.7	45.1	15.26	15.30	15.18
Motor vehicles and equipment	660.72	656.30	687.78	43.1	42.7	45.1	15.33	15.37	15.25
Nondurable Goods[f]	420.04	433.26	411.35	41.1	41.7	41.3	10.22	10.39	9.95
Food and kindred products	443.72	459.37	422.01	41.[illegible]	43.3	42.8	10.77	10.84	9.86
Rubber and misc. plastics products	312.04	319.58	311.84	39.7	40.3	39.2	7.86	7.93	7.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	649.49	624.66	581.19	44.7	43.5	43.6	14.53	14.36	13.33
WHOLESALE TRADE	355.89	347.97	335.17	38.6	37.7	37.2	9.22	9.23	9.01
RETAIL TRADE[h]	155.73	157.11	156.11	29.0	29.7	29.4	5.37	5.29	5.31

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

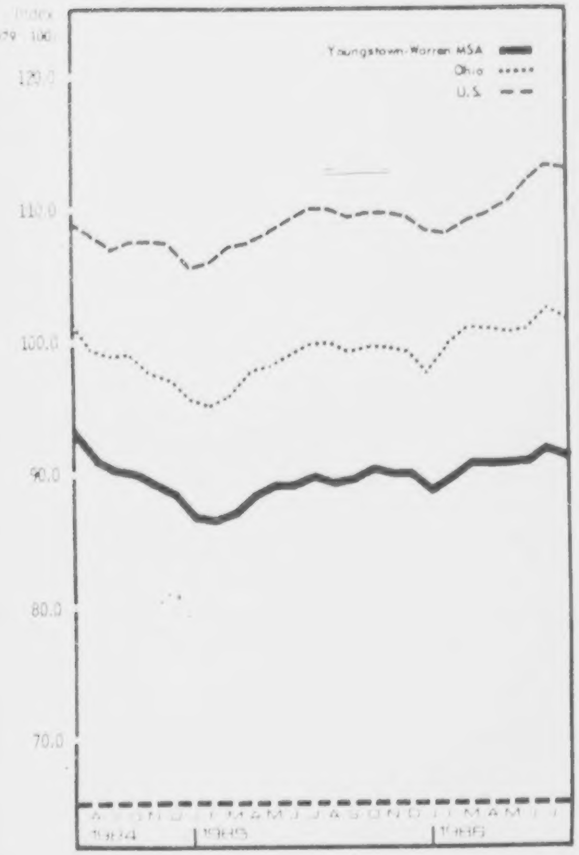
	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	2,890	2,434	2,760
Active File of Job Seekers	25,421	25,551	24,947
Referrals to Jobs	2,306	2,182	2,092
Placements	1,371	571	662
Job Openings Received	1,911	1,138	1,064
Job Openings Unfilled	1,304	1,024	1,890
Unemployment Insurance Program			
Initial Claims	3,121	6,683	3,204
Continued Claims	23,955	33,949	18,426
First Payments	899	3,711	842
Last Payments	490	853	312
Weeks Compensated	17,432	25,426	13,605
Benefits Paid	$2,544,866	$3,877,405	$1,824,688
Average Weekly Payment	$149.62	$156.10	$137.74

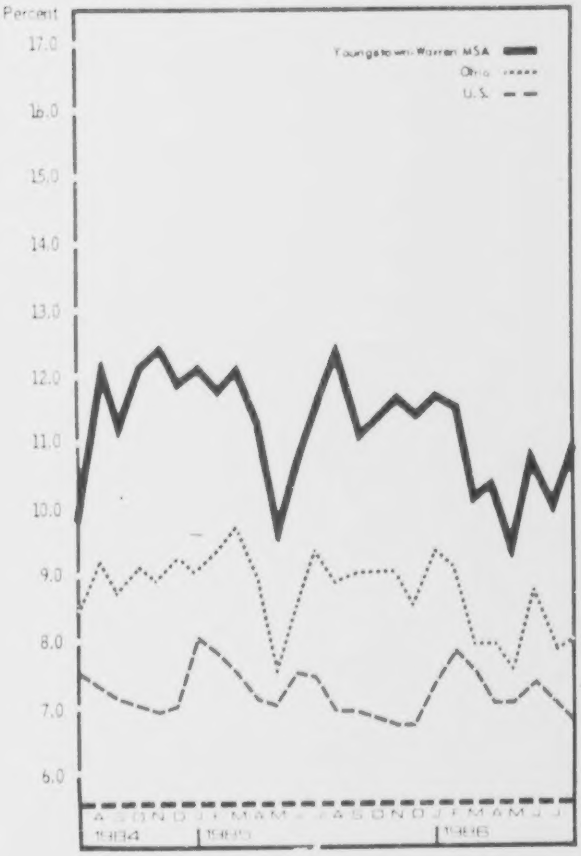
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Youngstown-Warren area increased by 3,500 from August, to 192,100 in September. Nonmanufacturing employment increased by 2,700, to a level of 140,100. Most of the increase was due to the return of nonteaching personnel at the beginning of the school year. Manufacturing rose 800 over the month, as employment expanded slightly in primary metal industries. Production workers earned $13.29 per hour, up $.19. They averaged a 41.8 hour workweek, up .5 hours from August.

From September 1985 to September 1986, nonagricultural wage and salary employment rose 5,700. The largest increases occurred in services (+3,200) and retail trade (+1,300). Most durable-goods producers posted slight employment declines over the year.


INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)


UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

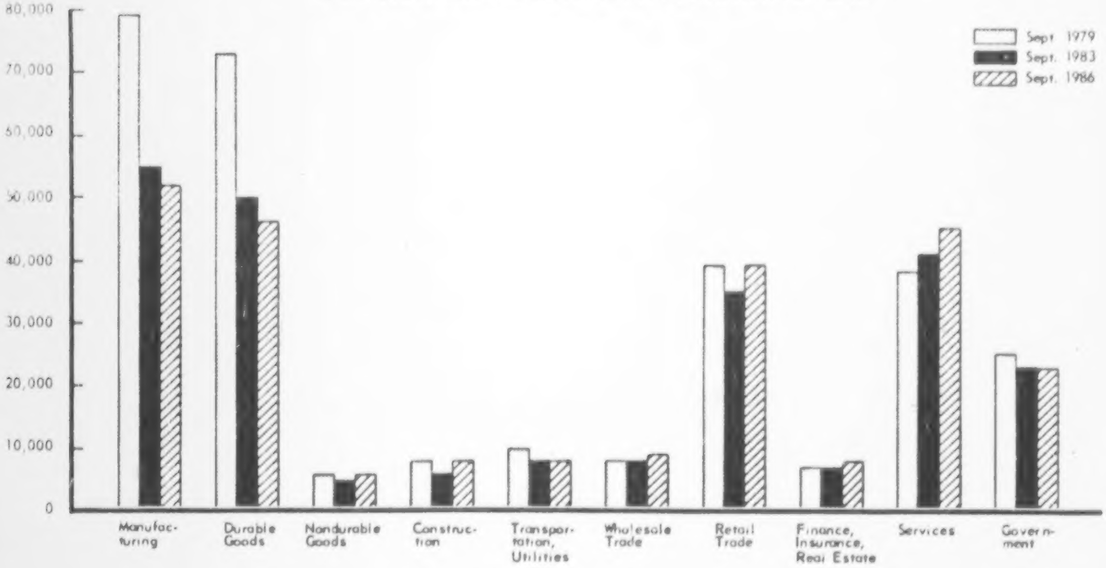
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
236.7	209.8	26.9	11.4	1975	200.7	80.8	63.3	$246.65	38.6	$ 6.39
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	277.29	39.5	7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.2	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
220.1	195.2	24.9	11.3	1985	183.9	52.5	39.6	570.64	43.1	13.24
				1985						
223.7	196.0	27.7	12.4	August	181.3	49.4	36.5	535.35	41.5	12.90
221.5	197.2	24.4	11.0	September	186.5	53.2	39.9	552.82	42.2	13.10
224.0	198.6	25.4	11.3	October	187.8	53.3	40.0	589.63	44.4	13.28
223.4	197.5	25.9	11.6	November	187.7	52.7	39.5	599.47	44.5	13.47
223.0	197.8	25.2	11.3	December	188.3	52.9	39.7	614.44	44.3	13.87
				1986						
219.5	194.0	25.5	11.6	January	184.2	52.8	39.5	574.01	42.3	13.57
222.1	196.9	25.2	11.4	February	183.2	51.9	38.7	570.12	42.2	13.51
221.6	199.5	22.1	10.0	March	184.5	51.6	38.5	549.61	41.2	13.34
221.8	198.9	22.9	10.3	April	187.0	51.4	38.3	542.93	41.1	13.21
219.5	199.4	20.1	9.2	May	190.1	51.9	38.8	533.79	40.5	13.18
224.2	200.1	24.1	10.8	June	190.9	51.8	38.7	539.97	41.0	13.17
224.8	202.6	22.2	9.9	July	188.8	51.2	38.7	542.93	41.1	13.21
225.8	201.2	24.6	10.9	August	188.6	51.3	38.3	541.03	41.3	13.10
INA	INA	INA	INA	September	192.1	52.1	39.2	555.52	41.8	13.29

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1986[b]	August 1986[c]	September 1985[c]	From Last Month	From Last Year
TOTAL	192.1	188.6	186.5	3.5	5.7
MANUFACTURING	52.1	51.3	53.2	.9	- 1.1
Durable Goods*	46.4	45.7	47.9	.6	- 1.5
Primary metal industries	20.4	19.8	20.5	.6	- .1
Blast furnace and basic steel products	6.8	6.7	6.4	.1	.4
Fabricated metal products	7.4	7.3	7.8	.1	- .4
Machinery, except electrical	3.3	3.3	3.7	- .1	- .5
Electric and electronic equipment	2.5	2.4	2.6	.1	- .1
Transportation equipment	8.9	8.6	9.0	.3	- .1
Nondurable Goods	5.7	5.5	5.4	.2	.3
NONMANUFACTURING	140.1	137.4	133.2	2.7	6.8
CONSTRUCTION	8.1	8.3	7.4	- .2	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.9	7.6	.0	.3
Communication, electric, gas services	3.0	3.1	3.1	.0	.0
WHOLESALE TRADE	9.2	9.3	9.0	- .1	.2
Wholesale trade-durable goods	6.2	6.3	6.1	- .1	.1
RETAIL TRADE	38.8	38.8	37.5	.0	1.3
General merchandise stores	5.4	5.4	5.8	.1	- .4
FINANCE, INSURANCE, AND REAL ESTATE	7.9	8.0	7.5	- .1	.4
Banking	2.6	2.7	2.5	.0	.1
SERVICES	44.9	43.7	41.7	1.2	3.2
Health services	18.4	17.9	18.0	.5	.4
GOVERNMENT	22.5	20.6	21.7	1.9	.8
State government	3.0	3.2	2.6	- .2	.4
State government education	1.5	1.6	1.1	- .1	.4
State government, except education	1.5	1.6	1.5	- .1	.0
Local government	17.5	15.4	17.2	2.1	.3
Local government education	11.0	8.8	10.8	2.2	.3
Local government, except education	6.5	6.6	6.4	- .1	.0

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]	Sep. 1986[b]	Aug. 1986[c]	Sep. 1985[c]
MANUFACTURING	$555.52	$541.03	$552.82	41.8	41.3	42.2	$13.29	$13.10	$13.10
Durable Goods[e]	575.93	558.59	571.13	42.1	41.5	42.4	13.68	13.46	13.47
Primary metal industries	593.69	584.75	581.40	41.2	40.3	40.8	14.41	14.51	14.25
Blast furnace and basic steel products	613.62	601.39	475.52	41.8	40.8	35.7	14.68	14.74	13.32
Fabricated metal products	541.37	536.49	542.94	41.2	41.3	40.7	13.14	12.99	13.34
Machinery, except electrical	460.40	461.35	461.70	40.6	40.9	40.5	11.34	11.28	11.40
Electric and electronic equipment	429.07	407.79	384.43	40.1	39.4	38.1	10.70	10.35	10.09
Transportation equipment	684.00	640.01	713.72	45.6	44.5	48.3	15.00	14.38	14.80
Nondurable Goods[f]	356.90	358.59	363.53	38.5	38.6	39.6	9.27	9.29	9.18
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	533.28	524.21	527.72	40.4	40.2	41.1	13.20	13.04	12.84
WHOLESALE TRADE	339.46	333.59	315.17	38.4	38.3	37.7	8.84	8.71	8.36
RETAIL TRADE[h]	168.40	168.26	165.25	29.7	30.1	29.3	5.67	5.59	5.64

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, instruments and related products, miscellaneous manufacturing. [f] Includes food and kindred products, tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastics products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1986	August 1986	September 1985
Employment Service Program			
New Applicants	2,575	2,494	3,244
Active File of Job Seekers	31,857	31,863	28,309
Referrals to Jobs	1,477	1,977	2,438
Placements	473	803	1,311
Job Openings Received	657	1,043	1,537
Job Openings Unfilled	684	664	655
Unemployment Insurance Program			
Initial Claims	3,681	9,775	3,693
Continued Claims	19,401	33,899	21,151
First Payments	1,023	5,754	1,492
Last Payments	326	379	320
Weeks Compensated	15,956	26,941	16,948
Benefits Paid	$2,184,907	$4,202,917	$2,460,564
Average Weekly Payment	$142.24	$159.89	$149.82

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	41
Manufacturing	60
Nonmanufacturing	35
Mining	50
Construction	20
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	21
Finance, Insurance, and Real Estate	44
Services and Miscellaneous	24
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1985 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Civilian Labor Force and Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed. For methodology, see January 1986 issue.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow.

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	September 1986	August 1986	September 1985
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Counseling Interviews	[illegible]	[illegible]	[illegible]
Tests Administered	[illegible]	[illegible]	[illegible]
General Aptitude Tests	[illegible]	[illegible]	[illegible]
Proficiency Tests	[illegible]	[illegible]	[illegible]
Specific Aptitude Tests	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]

Selected Unemployment Insurance Activities

	September 1986	August 1986	September 1985
Initial Claims	62,981	68,356	59,043
Continued Claims	408,504	433,004	[illegible]
First Payments	18,690	32,178	21,463
Last Payments	7,224	8,277	[illegible]
Average Weekly Claimants	92,424	104,784	77,215
Average Weekly Benefit Recipients	73,023	82,718	[illegible]
Weeks Compensated	296,183	380,260	[illegible]
Benefits Paid	$42,333,180	$52,506,600	[illegible]
Average Weekly Payment	$148.77	$149.14	[illegible]
Continued Claims for Survey Week	30,358	33,627	37,442
Insured Unemployment Rate	2.2	2.5	2.4
Net Contributions	$4,977,117	$147,934,564	$4,500,017
Active Employer Accounts	193,539	193,196	189,940

*Revised.

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division [illegible]

[illegible]

OHIO
the heart of it all

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Ohio
Labor
Market
Information

Labor Market Review

October 1986

Summary. Ohio's seasonally adjusted unemployment rate fell from 8.5 percent in September, to 7.7 percent in October, according to the latest Current Population Survey. The U.S. rate was unchanged at 7.0 percent. The civilian labor force in Ohio increased 46,000 to 5,204,000. There were 401,000 workers unemployed in October, down 37,000 from September. Based on the latest employer survey, seasonally adjusted nonagricultural wage and salary employment was 14,000 above the September level, at 4,538,000 in October. The increase was due to gains in nonmanufacturing jobs, especially in retail trade and services. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio, at 1,086,000 in October, was down 3,000 from September. Losses occurred in durable goods, due largely to labor-management disputes in nonelectrical machinery and stone, clay, and glass products. Employment in nondurable goods was up slightly.

Nonmanufacturing. October's nonmanufacturing employment rose 17,000 from September, to 3,451,000. Retail trade and services gained 7,000 each, accounting for most of the increase.

Over the Year. Total employment in Ohio increased 115,000 from October 1985 to October 1986, while the civilian labor force advanced 50,000. The unemployment rate fell from 9.0 percent to 7.7 percent during the period, as 65,000 fewer workers were jobless. The national rate changed little, from 7.1 percent to 7.0 percent. Ohio nonagricultural employment increased 128,000 from last October. Most of the gain occurred in services (+71,000) and retail trade (+48,000). All nonmanufacturing divisions, except mining, had greater employment in 1986. Manufacturing employment dropped 29,000 over the year, due almost entirely to losses in durable-goods industries.

Factory Hours and Earnings. Manufacturing production workers in Ohio earned an average of $483.95 in October, down $3.35 from September. Their average workweek was reduced .4 hours, to 41.9 hours. Increased earnings in nondurable-goods industries were more than offset by losses in durable goods. The most significant decreases were reported in motor vehicles and equipment, household appliances, refrigeration and service machinery, and aircraft and parts. Blast furnace and basic steel products and preserved fruits and vegetables had sizable increases in earnings.

Benefits and Costs. The number of initial claims filed under the Ohio Unemployment Compensation Law in October, at 64,026, was 1.6 percent above September, but 6.1 percent below October 1985. Total benefits paid rose 23.9 percent over the month, to $53.2 million. The average benefit check of $152.46 was $3.69 higher than in September. The average weekly number of benefit recipients fell 2,242, to 70,787. There were 193,052 active employer accounts at the end of October.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 47,399 new job applicants in October, down 2.7 percent from September. The number of job openings received from employers fell 34.7 percent, to 14,076. The Employment Services Division made 27,901 job referrals and 9,097 placements.

SAVE MONEY, HIRE A VET

The Emergency Veterans' Job Training Program (EVJTA) was created to help industry fill permanent positions that involve significant training of at least six months to Korean conflict and Vietnam era veterans.

- Employers are provided with 50 percent of the starting wage, up to $10,000 per veteran, when they hire and train veterans in a growth industry or a technology-based or demand occupation.
- Training will be funded for between six and nine months.
- Half the cost of training, up to $10,000, paid directly to the employer is invoiced quarterly. Small businesses can arrange to invoice monthly.

Contact your nearest local OBES office for further information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Oct. 1986	Sep. 1986	Oct. 1985	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,204	5,158	5,154	46	50	0.9	1.0
Employment	4,803	4,720	4,688	83	115	1.8	2.5
Unemployment	401	438	466	-37	-65	-8.4	-13.9
Unemployment Rate	7.7	8.5	9.0				
Employer Survey Data[e]							
Total	4,538	4,523	4,410	14	128	0.3	2.9
Manufacturing	1,086	1,089	1,115	-3	-29	-0.3	-2.6
Durable Goods	735	739	763	-4	-28	-0.5	-3.6
Nondurable Goods	351	351	353	1	-1	0.2	-0.4
Nonmanufacturing	3,451	3,434	3,294	17	157	0.5	4.8
Mining	24	24	26	0	-2	0.0	-8.1
Construction	165	165	156	1	9	0.4	5.9
Transportation and Public Utilities	206	205	203	1	3	0.3	1.6
Wholesale Trade	256	255	249	1	7	0.4	2.6
Retail Trade	850	843	803	7	48	0.8	5.9
Finance, Insurance and Real Estate	232	231	221	1	11	0.6	5.1
Services	1,039	1,033	968	7	71	0.6	7.3
Government	680	679	669	0	11	0.0	1.6
Goods Producing Industries[f]	1,275	1,278	1,297	-2	-22	-0.2	-1.7
Service Producing Industries[g]	3,262	3,246	3,112	17	150	0.5	4.8

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1984
[illegible]	[illegible]	473	9.2	7.3	October
[illegible]	[illegible]	444	8.7	7.2	November
[illegible]	[illegible]	468	9.1	7.2	December
					1985
[illegible]	[illegible]	444	8.7	7.4	January
[illegible]	4,678	457	8.9	7.3	February
[illegible]	4,673	470	9.1	7.3	March
[illegible]	4,684	464	9.0	7.3	April
[illegible]	4,659	412	8.1	7.3	May
[illegible]	4,623	442	8.7	7.3	June
[illegible]	4,626	474	9.3	7.3	July
[illegible]	4,645	459	9.0	7.1	August
[illegible]	4,678	476	9.2	7.1	September
[illegible]	4,688	466	9.0	7.1	October
[illegible]	4,721	458	8.8	7.0	November
[illegible]	4,749	437	8.4	6.9	December
					1986
[illegible]	4,738	468	9.0	6.7	January
[illegible]	4,890	467	8.7	7.3	February
[illegible]	4,919	392	7.4	7.2	March
[illegible]	4,842	423	8.0	7.1	April
[illegible]	4,778	419	8.1	7.3	May
[illegible]	4,722	462	8.9	7.1	June
[illegible]	4,766	415	8.0	6.9	July
[illegible]	4,740	421	8.2	6.8	August
[illegible]	4,720	438	8.5	7.0	September
[illegible]	4,803	401	7.7	7.0	October

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1984				
October	4,306	[illegible]	[illegible]	[illegible]
November	4,321	[illegible]	[illegible]	[illegible]
December	4,327	[illegible]	[illegible]	[illegible]
1985				
January	4,323	[illegible]	[illegible]	[illegible]
February	4,328	[illegible]	[illegible]	[illegible]
March	4,343	1,129	[illegible]	[illegible]
April	4,358	1,127	[illegible]	[illegible]
May	4,376	[illegible]	[illegible]	[illegible]
June	4,367	1,123	[illegible]	[illegible]
July	4,376	1,119	[illegible]	[illegible]
August	4,384	[illegible]	[illegible]	[illegible]
September	4,394	[illegible]	[illegible]	[illegible]
October	4,410	[illegible]	[illegible]	[illegible]
November	4,430	[illegible]	[illegible]	[illegible]
December	4,449	[illegible]	[illegible]	[illegible]
1986				
January	4,483	[illegible]	[illegible]	[illegible]
February	4,482	[illegible]	[illegible]	[illegible]
March	4,487	[illegible]	[illegible]	[illegible]
April	4,494	1,114	[illegible]	[illegible]
May	4,504	[illegible]	[illegible]	[illegible]
June	4,503	[illegible]	[illegible]	[illegible]
July	4,507	[illegible]	[illegible]	[illegible]
August	4,521	[illegible]	[illegible]	[illegible]
September	4,523	[illegible]	[illegible]	[illegible]
October	4,538	[illegible]	[illegible]	[illegible]

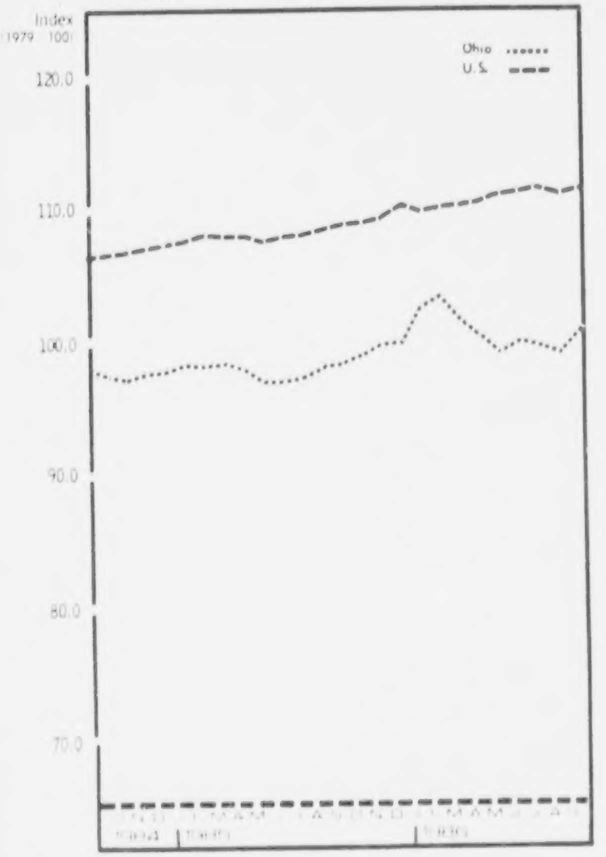
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

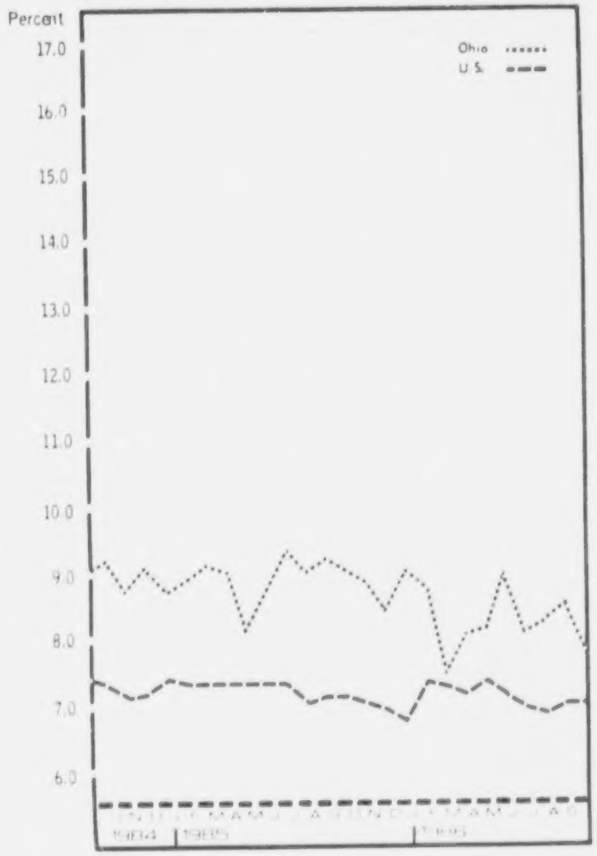
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1984				
[illegible]	28	150	204	240	October	760	[illegible]	[illegible]	[illegible]
[illegible]	28	149	203	241	November	768	[illegible]	[illegible]	[illegible]
[illegible]	27	151	203	242	December	[illegible]	[illegible]	[illegible]	[illegible]
					1985				
[illegible]	27	151	203	243	January	770	[illegible]	[illegible]	[illegible]
[illegible]	27	148	203	244	February	771	[illegible]	[illegible]	[illegible]
[illegible]	27	151	203	244	March	777	216	[illegible]	[illegible]
[illegible]	27	154	203	245	April	781	216	[illegible]	[illegible]
[illegible]	27	156	203	246	May	787	218	[illegible]	[illegible]
[illegible]	26	153	202	245	June	788	218	[illegible]	[illegible]
[illegible]	26	153	202	246	July	792	219	[illegible]	[illegible]
[illegible]	26	155	201	247	August	795	219	[illegible]	[illegible]
[illegible]	26	155	202	248	September	798	220	[illegible]	[illegible]
[illegible]	26	156	203	249	October	801	221	[illegible]	[illegible]
[illegible]	26	156	203	250	November	806	222	[illegible]	[illegible]
[illegible]	26	158	204	251	December	809	222	[illegible]	[illegible]
					1986				
[illegible]	27	160	204	252	January	820	223	[illegible]	[illegible]
[illegible]	26	159	204	253	February	824	224	[illegible]	[illegible]
[illegible]	26	158	204	254	March	828	225	[illegible]	[illegible]
[illegible]	26	161	204	254	April	831	226	1004	[illegible]
3,400	25	162	203	255	May	834	227	1016	[illegible]
[illegible]	25	162	198	254	June	837	228	1021	[illegible]
3,412	24	163	202	254	July	837	230	1026	[illegible]
3,426	24	163	204	255	August	842	230	1030	[illegible]
3,434	24	165	205	255	September	843	231	1033	[illegible]
3,451	24	165	206	256	October	850	232	1039	[illegible]

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)

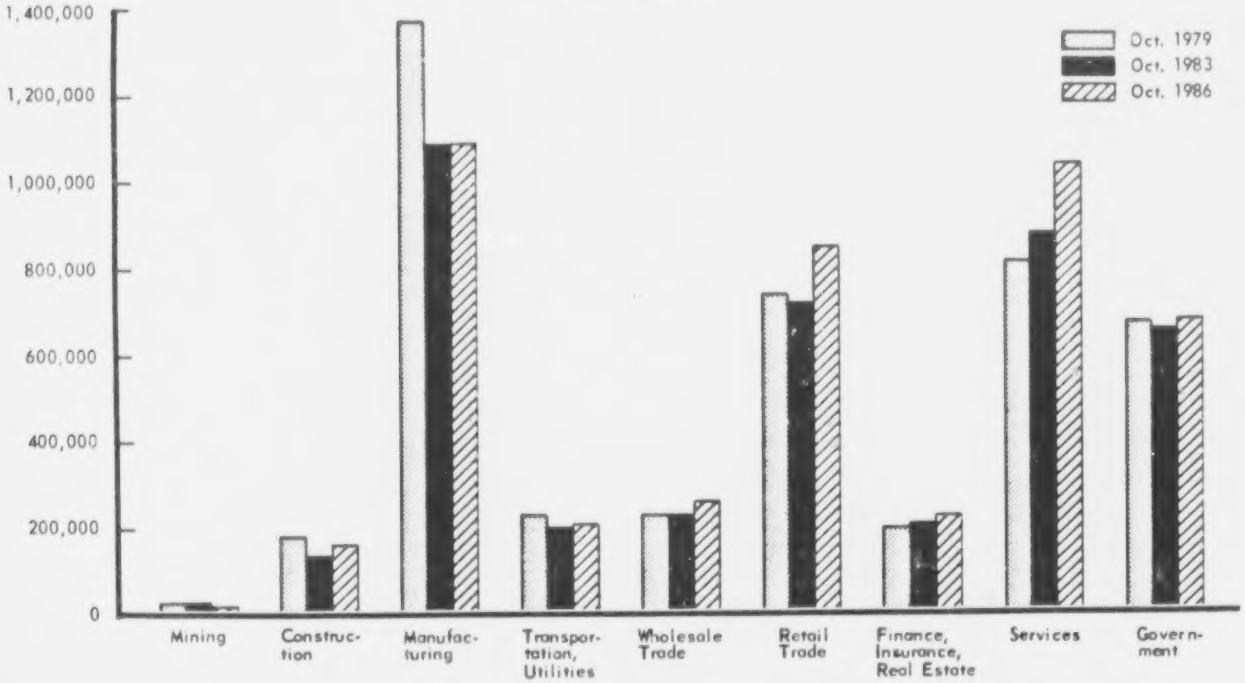


UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,723	4,294	429	9.1	8.5	1975	4,016.2	1,267.5	892.4	375.1
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,130	4,675	455	8.9	7.2	1985	4,378.6	1,123.1	769.1	354.0
					1985				
5,216	4,747	469	9.0	6.8	October	4,456.8	1,119.8	765.4	354.4
5,200	4,734	466	9.0	6.7	November	4,473.1	1,123.1	768.4	354.7
5,156	4,721	436	8.5	6.7	December	4,483.7	1,123.6	769.5	354.1
					1986				
5,121	4,647	474	9.3	7.3	January	4,393.4	1,119.3	766.7	352.6
5,212	4,740	472	9.1	7.8	February	4,387.1	1,114.2	761.2	353.0
5,226	4,812	414	7.9	7.5	March	4,418.5	1,111.9	759.1	352.8
5,217	4,804	413	7.9	7.0	April	4,481.6	1,110.8	759.6	351.2
5,180	4,791	389	7.5	7.0	May	4,533.2	1,105.7	753.8	351.9
5,259	4,802	457	8.7	7.3	June	4,549.1	1,109.1	756.1	353.0
5,287	4,875	412	7.8	7.0	July	4,515.6	1,096.8	746.5	350.3
5,255	4,832	422	8.0	6.7	August	4,526.0	1,098.5	744.4	354.1
5,184	4,750	434	8.4	6.8	September	4,570.1	1,100.3	743.9	356.4
5,259	4,851	408	7.8	6.6	October	4,586.4	1,090.1	737.2	352.9

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,748.7	26.8	154.9	213.2	203.5	1975	664.5	173.1	686.3	626.4
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.3	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.2	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,255.5	26.4	154.1	202.5	246.5	1985	789.8	218.1	953.3	664.7
					1985				
3,337.0	26.5	172.9	204.4	250.3	October	809.9	220.1	974.2	678.7
3,350.0	26.6	166.6	204.3	250.9	November	821.9	221.2	974.6	683.9
3,360.1	26.2	155.7	204.4	251.2	December	838.7	221.6	976.5	685.8
					1986				
3,274.0	25.9	134.9	199.3	249.5	January	802.2	221.3	965.7	675.3
3,272.9	25.4	129.8	199.4	249.4	February	790.3	222.0	972.0	684.7
3,306.7	24.9	135.7	200.4	251.2	March	801.3	223.0	982.1	688.1
3,370.8	25.0	150.9	202.6	253.1	April	821.4	225.1	1,005.4	687.3
3,427.5	25.1	162.5	203.9	254.5	May	836.8	227.4	1,024.9	692.4
3,439.8	25.0	170.8	200.3	255.8	June	843.2	229.9	1,037.9	677.0
3,418.8	25.1	178.2	204.4	255.9	July	843.8	232.5	1,038.1	640.9
3,427.5	24.8	182.0	206.2	256.6	August	850.1	232.8	1,039.8	635.3
3,469.8	24.5	182.9	207.1	256.3	September	853.1	231.7	1,047.0	667.2
3,496.3	24.4	183.2	207.5	256.9	October	857.8	231.4	1,045.2	689.9

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment

(in thousands)

	Manufacturing	Durable Goods	Nondurable Goods
1975	1,267.5	892.4	375.1
1976	1,295.3	910.6	384.6
1977	1,344.1	945.2	398.9
1978	1,377.2	974.5	402.7
1979	1,382.3	980.5	401.8
1980	1,264.3	882.6	381.8
1981	1,232.6	860.4	372.2
1982	1,099.9	752.4	347.5
1983	1,066.0	723.6	342.4
1984	1,127.0	773.4	353.6
1985	1,123.1	769.1	354.0
1985			
October	1,119.8	765.5	354.4
November	1,123.1	768.2	354.9
December	1,123.6	769.5	354.1
1986			
January	1,119.3	766.7	352.7
February	1,114.2	761.2	353.0
March	1,111.9	759.1	352.7
April	1,110.8	759.6	351.2
May	1,105.7	753.8	351.9
June	1,109.3	756.1	353.2
July	1,096.8	746.5	350.3
August	1,098.5	744.4	354.1
September	1,100.3	743.9	356.4
October	1,090.1	737.2	352.9

Production Workers in Manufacturing

	Production Workers (in thous.)	Aggregate Weekly Payroll	Aggregate Weekly Hours
1975	[illegible]	$701.[illegible]	[illegible]
1976	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]
1978	[illegible]	302.[illegible]	41.[illegible]
1979	[illegible]	418.[illegible]	40.[illegible]
1980	[illegible]	301.[illegible]	[illegible]
1981	[illegible]	330.[illegible]	[illegible]
1982	735.[illegible]	[illegible]	[illegible]
1983	721.6	[illegible]	[illegible]
1984	761.[illegible]	362.[illegible]	[illegible]
1985	[illegible]	369.[illegible]	[illegible]
1985			
October	768.[illegible]	[illegible]	32.[illegible]
November	[illegible]	[illegible]	32.[illegible]
December	[illegible]	[illegible]	[illegible]
1986			
January	769.[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]
April	761.[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]
June	758.9	[illegible]	31.8
July	[illegible]	[illegible]	[illegible]
August	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]
October	[illegible]	358.[illegible]	[illegible]

Production Workers Average Weekly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1975	$224.47	$228.90	$211.85
1976	252.54	258.75	235.00
1977	283.08	292.02	258.34
1978	306.91	316.83	279.30
1979	325.36	335.30	297.78
1980	347.94	358.57	319.99
1981	389.78	401.64	358.16
1982	403.81	414.80	378.95
1983	437.18	452.35	402.52
1984	463.61	482.38	417.83
1985	[illegible]	499.56	425.80
1985			
October	482.35	505.33	424.98
November	487.18	508.22	434.93
December	500.52	526.44	439.10
1986			
January	488.25	511.70	434.51
February	488.68	512.90	432.41
March	488.25	512.48	433.46
April	481.54	504.71	426.59
May	480.28	499.80	434.89
June	481.85	500.99	439.71
July	475.69	491.00	438.19
August	481.43	500.99	439.30
September	487.30	507.03	443.72
October	483.95	501.48	446.01

Production Workers Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1975	40.3	40.3	40.2
1976	41.2	41.4	41.3
1977	42.0	42.2	41.4
1978	42.1	42.3	41.5
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1985			
October	42.2	42.5	41.3
November	42.4	42.6	41.7
December	43.0	43.4	42.1
1986			
January	42.2	42.5	41.7
February	42.2	42.6	41.3
March	42.2	42.6	41.4
April	41.8	42.2	40.9
May	41.8	42.0	41.3
June	41.9	42.1	41.6
July	41.4	41.4	41.3
August	41.9	42.1	41.6
September	42.3	42.5	41.9
October	41.9	42.0	41.8

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1975	$[illegible]	$5.[illegible]	$5.[illegible]
1976	[illegible]	[illegible]	[illegible]
1977	[illegible]	6.92	6.24
1978	[illegible]	7.49	6.73
1979	[illegible]	8.06	[illegible]
1980	[illegible]	8.81	[illegible]
1981	[illegible]	9.82	[illegible]
1982	10.[illegible]	10.37	[illegible]
1983	10.[illegible]	10.90	[illegible]
1984	10.[illegible]	11.35	10.[illegible]
1985	11.[illegible]	11.81	10.[illegible]
1985			
October	11.43	11.89	10.29
November	11.49	11.93	10.43
December	11.64	12.13	10.42
1986			
January	11.5[illegible]	12.04	10.42
February	11.5[illegible]	12.04	10.47
March	11.5[illegible]	12.03	10.4[illegible]
April	11.52	11.98	10.43
May	11.49	11.90	10.51
June	11.50	11.90	10.57
July	11.49	11.86	10.62
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.55	11.94	10.67

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[1]

Employment

(in thousands)

	Stone Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.0	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.1	120.9	151.8	74.6	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	[illegible]
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	[illegible]
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	[illegible]
1981	61.0	138.3	154.9	206.2	101.9	136.9	69.2	66.1	[illegible]
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	[illegible]	[illegible]
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.5	[illegible]
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	[illegible]
1985	50.4	102.7	138.9	166.2	90.5	151.7	[illegible]	66.6	[illegible]
1985									
October	51.2	99.0	138.7	163.4	89.1	154.5	63.1	67.1	91.1
November	51.0	101.3	138.6	162.9	88.1	157.2	62.9	67.4	[illegible]
December	49.8	102.7	137.3	163.4	89.0	158.3	61.0	67.6	91.1
1986									
January	49.3	103.0	136.6	163.0	89.1	157.9	62.8	67.3	[illegible]
February	48.7	102.8	136.0	160.7	88.2	156.3	62.6	67.1	[illegible]
March	48.6	102.6	136.7	160.2	87.7	154.2	62.3	67.3	[illegible]
April	50.0	102.5	136.2	159.7	88.4	153.3	61.6	67.3	[illegible]
May	50.0	101.7	135.8	158.6	87.7	149.7	62.8	67.3	[illegible]
June	[illegible]	100.3	135.9	158.2	87.7	152.8	63.5	67.3	[illegible]
July	[illegible]	96.9	133.6	156.8	87.1	152.3	63.8	67.3	[illegible]
August	[illegible]	94.8	133.7	156.1	88.4	150.0	67.1	[illegible]	[illegible]
September	[illegible]	92.9	135.3	156.0	88.1	150.1	67.5	67.6	[illegible]
October	48.3	94.0	134.4	150.3	87.9	151.4	64.6	67.7	[illegible]

Average Weekly Earnings of Production Workers

	Stone Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1975	$207.33	$256.46	$224.96	$228.25	$201.30	$263.22	$221.68	$226.95	$223.21
1976	232.40	294.58	256.68	253.31	221.54	302.87	[illegible]	252.20	[illegible]
1977	253.35	329.54	290.44	279.18	248.44	359.20	[illegible]	271.96	[illegible]
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	295.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	[illegible]	302.62	[illegible]
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.30	320.92	323.64
1981	348.02	484.04	389.61	389.16	350.27	471.50	[illegible]	347.70	368.63
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	356.41	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	[illegible]	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.14	384.30	[illegible]
1985	434.30	548.83	492.15	475.58	431.30	635.26	[illegible]	395.14	429.17
1985									
October	441.84	541.86	490.98	478.41	446.71	653.05	408.91	399.36	426.38
November	441.21	549.67	496.93	476.72	449.77	648.70	404.11	411.08	437.68
December	441.60	565.30	519.50	489.46	466.99	677.37	405.87	424.51	443.23
1986									
January	437.22	555.59	500.65	480.11	454.30	649.52	405.32	403.37	442.96
February	434.84	561.19	496.18	483.51	460.06	652.24	402.98	400.62	438.44
March	446.37	550.78	506.32	489.20	459.80	644.67	395.39	408.67	438.60
April	444.11	546.40	495.01	482.22	452.79	632.60	399.10	398.91	423.43
May	446.37	547.80	486.36	481.20	451.28	620.54	419.67	407.33	433.15
June	443.56	546.89	494.06	483.07	450.58	616.40	417.91	402.80	443.66
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	447.62	559.68	494.38	485.41	464.88	629.31	420.31	417.40	441.34
October	448.69	557.61	489.94	482.16	454.84	615.90	425.21	419.25	442.8[illegible]

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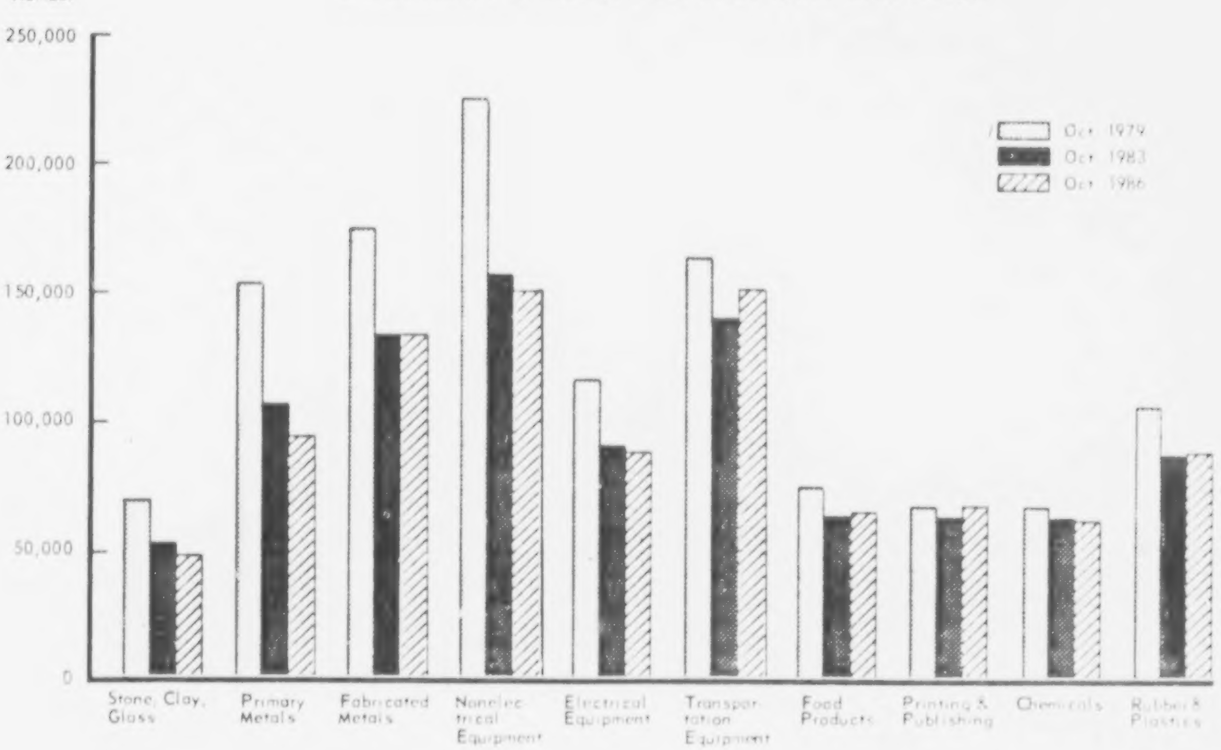
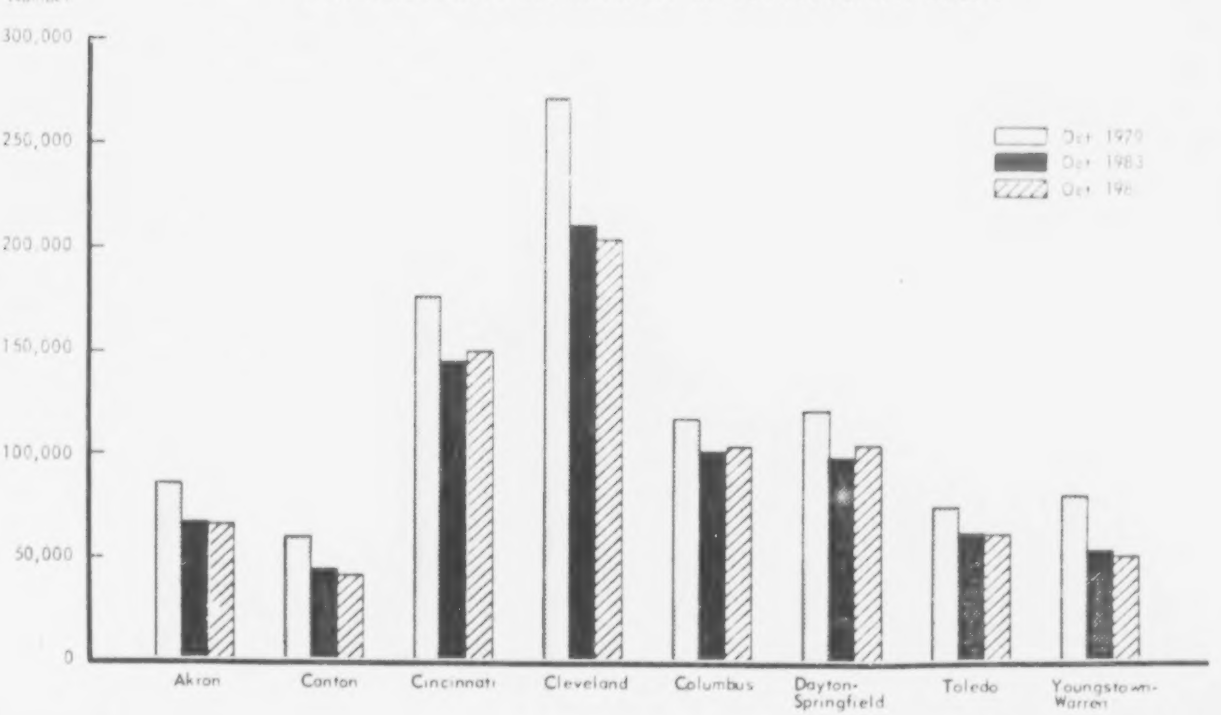
[1] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[a] (in thousands)	
	[illegible] 1986	September 1986	[illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	4455.8	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cutlery, hand tools, and hardware	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	28.6	[illegible]	28.7	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	43.8	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Office and computing machines	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Refrigeration and service machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric lighting and wiring equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aircraft and parts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	67.5	63.3	[illegible]	[illegible]
Meat products	13.2	13.2	13.1	.0	.1
Dairy products	9.7	9.8	[illegible]	– .1	[illegible]
Preserved fruits and vegetables	11.8	14.5	[illegible]	– 2.8	[illegible]
Bakery products	8.9	8.8	8.8	.1	.1
Beverages	[illegible]	[illegible]	[illegible]	.2	[illegible]
Apparel and other textile products	16.7	[illegible]	[illegible]	.2	[illegible]
Paper and allied products	36.2	36.3	36.7	– .1	[illegible]
Misc. converted paper products	[illegible]	12.1	[illegible]	.0	[illegible]
Paperboard containers and boxes	11.6	11.6	11.8	.0	– .2
Printing and publishing	67.7	67.6	[illegible]	.1	[illegible]
Newspapers	18.9	18.8	18.7	.1	.2
Commercial printing	26.2	26.2	25.6	.0	.6
Chemicals and allied products	61.5	61.8	61.4	– .3	.1
Industrial inorganic chemicals	9.5	9.4	9.2	.1	.3
Rubber and misc. plastics products	89.2	89.6	91.1	– .4	[illegible]
Tires and inner tubes	18.2	18.2	19.1	.0	– .9
Miscellaneous plastics products	51.7	52.0	52.0	– .3	– .3

See footnotes on page 13

Nonagricultural Wage & Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[b]	September 1986	October 1985[c]	From Last Month	From Last Year
NONMANUFACTURING	3496.3	3465.6	3337.2	35.6	[illegible]
MINING	24.4	24.5	26.8	.1	[illegible]
Bituminous coal and lignite mining	10.3	10.4	[illegible]	.1	[illegible]
Oil and gas extraction	9.1	9.1	10.8	.0	[illegible]
CONSTRUCTION	161.2	[illegible]	152.8	.1	[illegible]
General building contractors	46.2	46.1	42.1	.1	[illegible]
Heavy construction contractors	27.4	27.8	[illegible]	[illegible]	[illegible]
Highway and street construction	12.8	13.2	[illegible]	.4	[illegible]
Special trade contractors	104.6	[illegible]	100.1	.1	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	207.5	207.1	[illegible]	.5	[illegible]
Railroad transportation	15.9	15.1	[illegible]	[illegible]	[illegible]
Transportation, except railroads	103.2	[illegible]	97.1	[illegible]	[illegible]
Trucking and warehousing	73.3	73.1	69.9	[illegible]	[illegible]
Communication, electric, gas services	88.4	88.7	90.0	.3	[illegible]
Communication	47.7	47.6	48.7	.1	[illegible]
Electric, gas, and sanitary services	40.7	41.1	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	256.9	256.3	[illegible]	.6	[illegible]
Wholesale trade-durable goods	161.9	161.2	[illegible]	[illegible]	[illegible]
Motor vehicles & automotive equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical goods	31.8	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, equipment, and supplies	58.6	[illegible]	56.7	[illegible]	[illegible]
Wholesale trade-nondurable goods	95.5	[illegible]	[illegible]	[illegible]	[illegible]
Groceries and related products	[illegible]	29.4	[illegible]	[illegible]	[illegible]
RETAIL TRADE	857.8	853.2	[illegible]	[illegible]	[illegible]
General merchandise stores	119.8	118.2	114.1	[illegible]	[illegible]
Department stores	109.8	109.5	104.5	[illegible]	[illegible]
Food stores	131.2	131.2	126.3	[illegible]	[illegible]
Automotive dealers & service stations	95.4	95.5	89.2	[illegible]	[illegible]
Apparel and accessory stores	41.3	42.2	39.7	[illegible]	[illegible]
Eating and drinking places	301.4	303.7	285.6	4.3	15.9
FINANCE, INSURANCE, AND REAL ESTATE	231.4	231.7	[illegible]	.3	[illegible]
Banking	52.7	52.9	[illegible]	[illegible]	[illegible]
Credit agencies other than banks	36.6	36.5	34.5	[illegible]	[illegible]
Insurance carriers	59.8	59.9	[illegible]	[illegible]	[illegible]
Life insurance	21.1	21.2	[illegible]	[illegible]	[illegible]
Fire, marine, and casualty insurance	28.7	28.7	[illegible]	[illegible]	.8
SERVICES	1045.2	[illegible]	974.1	1.8	[illegible]
Hotels and other lodging places	34.5	36.2	33.5	1.5	[illegible]
Personal services	57.8	56.5	54.6	1.2	[illegible]
Laundry, cleaning, & garment services	19.4	18.9	[illegible]	.6	[illegible]
Business services	206.4	205.0	182.2	1.4	24.4
Services to buildings	29.6	29.8	26.9	.2	2.7
Computer and data processing services	20.2	20.0	16.3	.2	3.9
Amusement and recreation services	40.0	51.5	34.0	11.5	6.0
Health services	346.5	346.3	332.6	.2	13.9
Nursing and personal care facilities	73.7	73.9	71.5	.2	2.2
Hospitals	172.4	172.4	167.0	.1	5.4
Educational services	68.2	61.2	65.3	7.0	2.9
Colleges and universities	39.9	34.4	36.7	5.5	3.3
GOVERNMENT	689.9	667.2	678.7	22.7	11.2
Federal government	92.7	92.7	91.9	.5	.3
State government	154.4	141.3	149.8	13.0	4.5
State government education	82.9	68.8	81.0	14.1	1.9
State government, except education	71.5	72.6	68.8	- 1.1	2.7
Local government	443.4	433.2	437.0	10.2	6.4
Local government education	258.7	247.0	254.0	11.8	4.7
Local government, except education	184.6	186.2	182.9	- 1.6	1.7

See footnotes on page 13

Ohio

Hours & Earnings of Production or Nonsupervisory Workers^{a}

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct., 1986^{p}	Sep., 1986^{r}	Oct., 1985^{r}	Oct., 1986^{p}	Sep., 1986^{r}	Oct., 1985^{r}	Oct., 1986^{p}	Sep., 1986^{r}	Oct., 1985^{r}
MANUFACTURING	$483.96	$487.30	$482.35	41.9	42.3	42.2	$11.55	$11.52	$11.43
Durable Goods^{b}	501.48	507.03	505.31	42.0	42.5	42.5	11.94	11.93	11.89
Lumber and wood products	304.06	302.00	301.26	41.2	41.2	41.1	7.38	7.33	7.33
Furniture and fixtures	346.47	348.57	334.53	41.1	41.3	40.5	8.43	8.44	8.26
Stone, clay, and glass products	448.69	447.62	441.84	41.7	41.5	42.0	10.76	10.78	10.52
Glass and glassware, pressed or blown	501.73	491.73	460.40	42.7	42.1	40.6	11.75	11.68	11.34
Primary metal industries	557.61	553.68	541.86	41.8	42.4	41.3	13.34	13.06	13.12
Blast furnace and basic steel products	574.78	560.67	521.99	41.5	41.5	39.1	13.85	13.51	13.35
Iron and steel foundries	596.62	600.64	573.82	43.5	44.1	42.6	13.72	13.62	13.47
Nonferrous rolling and drawing	552.40	573.32	595.72	40.0	41.2	42.4	13.81	13.92	14.05
Fabricated metal products	489.94	494.38	490.98	42.2	42.4	42.0	11.61	11.66	11.69
Cutlery, hand tools, and hardware	471.24	459.02	502.23	39.7	38.9	41.2	11.87	11.80	12.19
Fabricated structural metal products	444.59	454.40	426.22	42.8	43.4	40.5	10.39	10.47	10.52
Metal forgings and stampings	620.10	628.52	630.73	43.7	44.2	44.2	14.19	14.22	14.27
Machinery, except electrical	482.16	485.41	479.41	42.0	42.1	42.3	11.48	11.53	11.33
Construction and related machinery	423.33	417.18	402.53	41.1	40.7	39.9	10.30	10.25	10.09
Metalworking machinery	463.00	468.52	442.57	41.9	42.4	41.8	11.05	11.05	10.59
Special industry machinery	455.78	458.14	467.42	41.7	42.2	43.4	10.93	10.86	10.77
General industrial machinery	510.25	501.23	488.14	42.1	41.7	41.9	12.12	12.02	11.65
Office and computing machines	396.17	398.24	379.81	41.9	41.7	41.6	9.45	9.55	9.13
Refrigeration and service machinery	575.86	602.89	600.16	42.8	44.2	44.0	13.45	13.64	13.64
Electric and electronic equipment	454.84	454.38	446.71	41.5	42.3	41.4	10.96	10.74	10.79
Electrical industrial apparatus	432.62	438.61	435.18	40.3	40.9	40.9	10.74	10.72	10.64
Household appliances	462.07	457.08	467.04	41.0	41.3	41.7	11.27	11.07	11.20
Electric lighting and wiring equipment	474.89	472.50	440.02	42.1	42.0	41.2	11.28	11.25	10.68
Communication equipment	478.23	492.30	474.29	40.7	42.2	41.1	11.75	11.67	11.54
Transportation equipment	615.90	623.31	653.05	43.1	44.1	45.7	14.29	14.13	14.29
Motor vehicles and equipment	629.20	648.21	693.96	42.6	43.9	46.6	14.77	14.77	14.89
Aircraft and parts	586.98	601.16	550.67	44.3	45.2	43.6	13.25	13.30	12.63
Instruments and related products	354.02	358.30	370.53	39.6	39.9	41.4	8.94	8.98	8.95
Measuring and controlling devices	336.30	346.12	350.06	38.0	38.5	39.2	8.85	8.99	8.93
Nondurable Goods	445.01	443.72	424.98	41.8	41.9	41.3	10.65	10.59	10.29
Food and kindred products	425.21	420.33	408.93	42.1	42.5	41.6	10.10	9.89	9.83
Meat products	373.82	373.82	372.78	40.5	40.5	41.1	9.23	9.23	9.07
Dairy products	454.75	450.07	445.72	42.5	42.3	43.4	10.70	10.64	10.27
Preserved fruits and vegetables	404.58	392.81	391.95	42.1	43.5	42.1	9.61	9.03	9.31
Bakery products	468.40	459.42	434.60	40.0	39.3	38.7	11.71	11.69	11.23
Beverages	423.95	442.73	396.01	42.1	42.9	39.8	10.07	10.32	9.95
Apparel and other textile products	268.76	270.80	254.10	37.8	37.3	37.7	7.11	7.26	6.74
Paper and allied products	501.31	499.26	464.34	44.8	45.1	43.6	11.19	11.07	10.65
Misc. converted paper products	468.86	469.34	410.86	45.3	45.7	42.4	10.35	10.27	9.69
Paperboard containers and boxes	423.73	435.56	401.63	42.5	43.6	42.5	9.97	9.99	9.45
Printing and publishing	419.25	417.40	399.36	39.0	38.9	38.4	10.75	10.73	10.40
Newspapers	359.15	356.68	334.56	34.6	34.9	34.0	10.38	10.22	9.84
Commercial printing	424.09	419.52	405.60	40.7	40.3	40.0	10.42	10.41	10.14
Chemicals and allied products	511.21	518.22	489.63	41.8	42.2	41.6	12.23	12.28	11.77
Industrial inorganic chemicals	553.01	568.01	548.26	41.3	42.2	42.6	13.39	13.46	12.87
Rubber and misc. plastics products	442.85	441.34	426.38	42.5	42.6	42.3	10.42	10.36	10.08
Tires and inner tubes	630.61	628.34	573.75	45.4	45.4	43.4	13.89	13.84	13.22
Miscellaneous plastics products	427.49	425.96	416.51	42.2	42.3	42.2	10.13	10.07	9.87

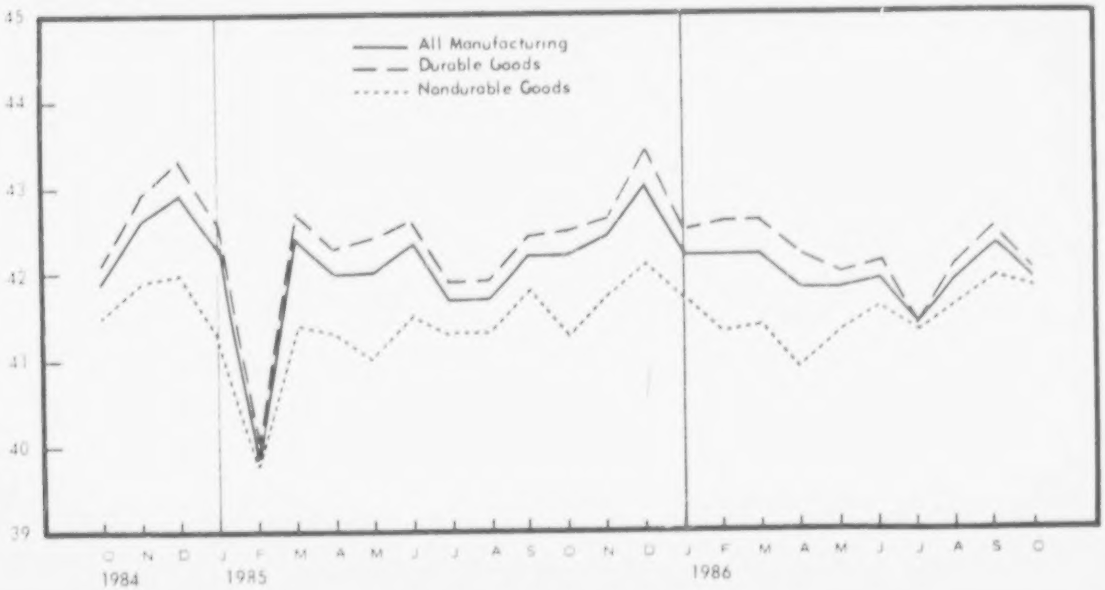
See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

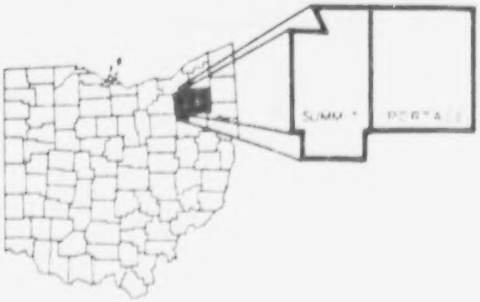
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]
MINING	$519.36	$538.77	$520.65	43.1	44.6	45.0	$12.05	$12.08	$11.57
Bituminous coal and lignite mining	602.00	635.95	614.56	40.0	42.2	41.7	15.05	15.07	14.74
CONSTRUCTION	591.03	588.85	598.43	39.8	39.6	39.5	14.85	14.87	15.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	553.83	549.70	525.97	41.3	41.3	40.9	13.41	13.31	12.86
Communication	546.34	539.97	517.52	41.0	41.0	40.4	13.34	13.17	12.81
Electric, gas, and sanitary services	562.95	560.77	538.60	41.7	41.6	41.5	13.50	13.48	12.98
WHOLESALE TRADE	368.93	368.39	353.53	39.5	39.4	39.5	9.34	9.35	8.95
Wholesale trade-durable goods	365.24	366.83	351.35	39.7	39.7	39.7	9.20	9.24	8.85
Wholesale trade-nondurable goods	375.54	371.50	356.07	39.2	38.9	39.0	9.58	9.55	9.13
RETAIL TRADE[e]	159.00	159.26	158.66	28.7	28.8	28.9	5.54	5.53	5.49
General merchandise stores	182.09	182.70	176.11	29.9	30.0	29.4	6.09	6.09	5.99
Department stores	186.30	187.52	180.52	30.0	30.1	29.4	6.21	6.23	6.14
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	251.91	250.55	235.99	....	....	....	.....	.....	.....
Credit agencies other than banks	245.37	243.38	235.91	....	....	....	.....	.....	.....
Insurance carriers	337.07	333.65	310.26	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	325.83	324.53	312.22	33.8	33.7	33.9	9.64	9.63	9.21

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing, [illegible] manufactures, textile mill products, petroleum and coal products, leather and leather products. [f]Money payments only, tips not included. [g]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [h]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



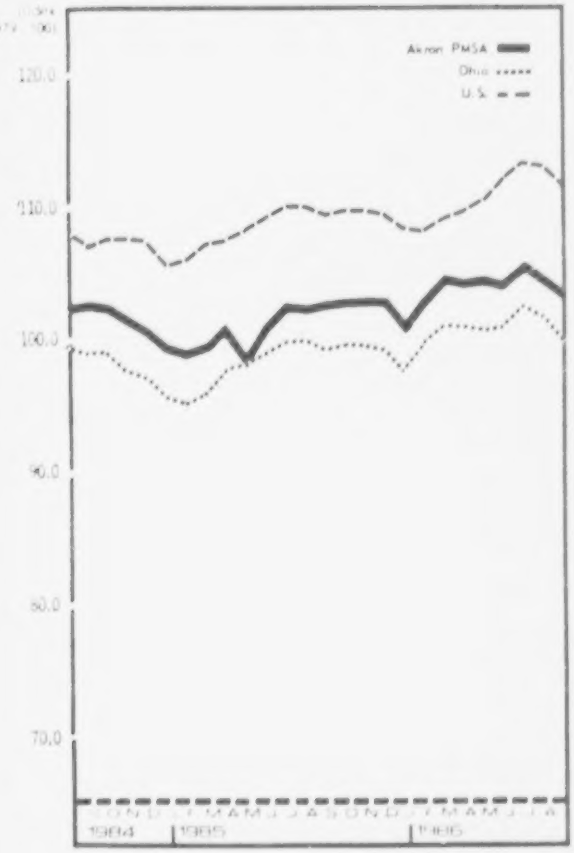
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



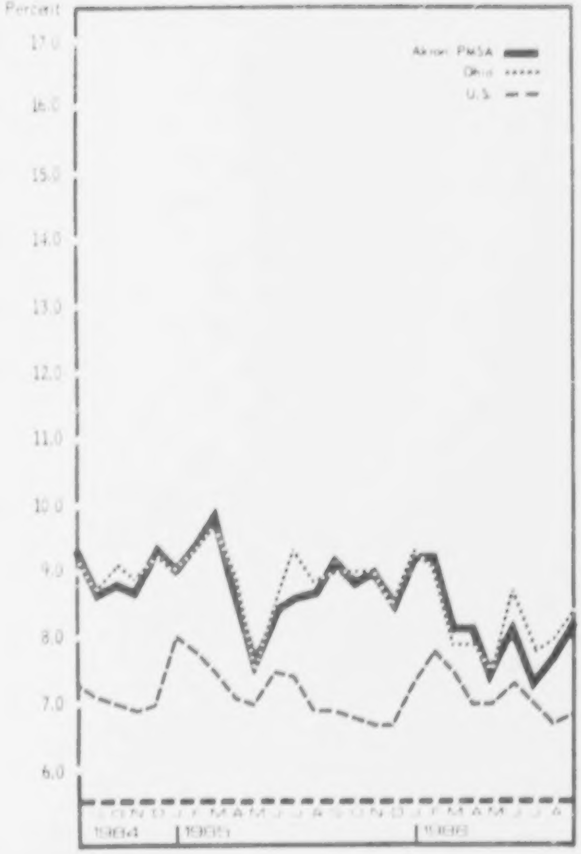
Nonagricultural wage and salary employment in the Akron PMSA, at 271,200 in October, was down 200 from September. Seasonal losses in amusement and recreation services were mostly offset by gains in nearly all other nonmanufacturing divisions, especially government, as nonfaculty personnel continued to return to schools and colleges. Manufacturing employment dropped slightly, to 65,600. The average hourly earnings of factory production workers rose $.03, to $11.35. Their average workweek of 43.1 hours, was down .2 hours.

From October 1985 to October 1986, Akron's nonagricultural wage and salary employment rose 8,100. All nonmanufacturing industries had increases, with the greatest occurring in services, retail trade, and construction. Cutbacks in rubber and plastics and in fabricated metal products lowered manufacturing employment 1,400 over the year.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



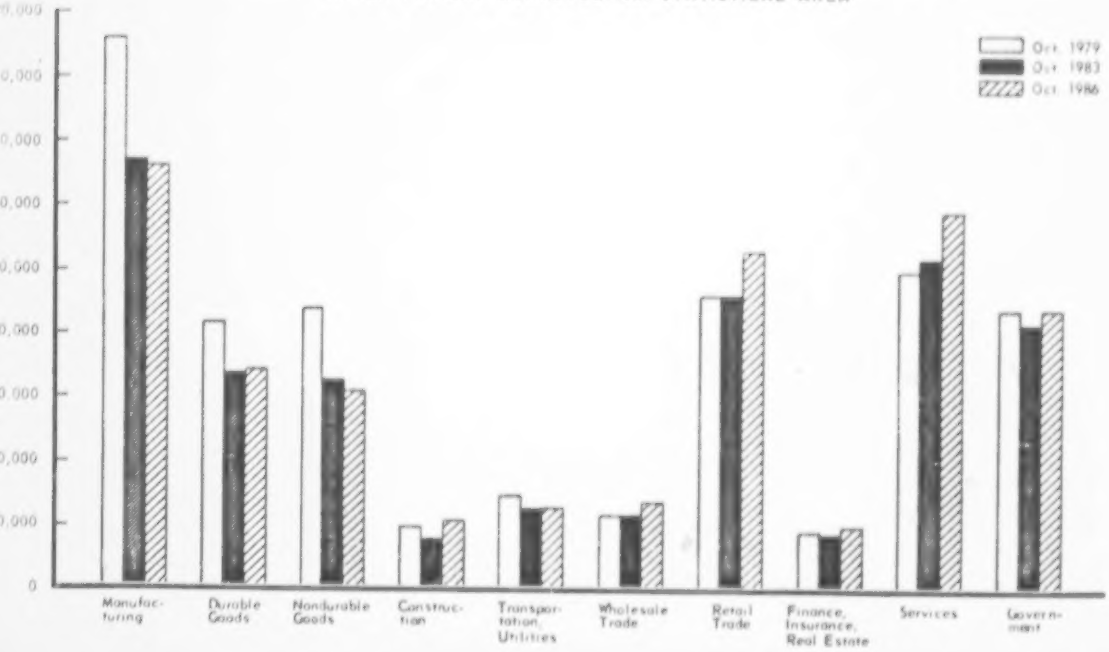
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
292.0	264.3	27.7	9.5	1975	248.4	84.5	48.9	$232.63	41.1	$ 5.66
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	253.44	42.1	6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.0	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.6	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.2	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.2	36.9	403.23	41.0	9.83
302.6	265.2	37.3	12.3	1983	244.7	65.2	35.4	452.12	43.1	10.49
316.4	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
316.4	288.5	27.9	8.8	1985	250.3	67.3	37.3	475.20	43.2	11.00
				1985						
322.6	293.1	29.5	9.2	September	253.2	67.4	36.8	475.76	42.9	11.09
321.8	293.4	28.4	8.8	October	253.1	67.3	36.7	463.94	42.1	11.02
322.1	293.3	28.9	9.0	November	253.0	67.2	36.5	475.79	43.0	11.03
319.8	293.0	26.9	8.4	December	254.3	66.8	36.7	494.36	44.1	11.21
				1986						
316.1	287.1	29.0	9.2	January	257.9	66.4	36.2	473.97	42.7	11.10
323.0	293.4	29.6	9.2	February	258.5	66.5	36.2	479.75	43.1	11.13
323.8	297.7	26.1	8.1	March	263.6	66.6	36.2	485.30	43.5	11.17
323.2	297.2	26.0	8.1	April	264.6	66.5	35.1	476.07	43.0	11.07
321.2	297.7	23.5	7.3	May	265.3	66.4	36.0	475.50	43.0	11.06
325.0	298.6	26.4	8.2	June	267.1	66.5	36.1	482.12	43.0	11.21
324.3	301.0	23.3	7.2	July	266.1	67.0	35.2	472.88	42.6	11.10
322.3	297.6	24.7	7.7	August	256.6	65.2	35.1	491.01	43.5	11.28
320.9	294.6	26.3	8.2	September	271.4	66.7	35.8	490.16	43.3	11.32
(NA)	(NA)	(NA)	(NA)	October	271.7	65.6	35.0	493.13	43.1	11.44

NA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[b]	September 1986[c]	October 1985[c]	From Last Month	From Last Year
TOTAL	271.2	271.4	263.1	- .2	8.1
MANUFACTURING	65.6	65.7	67.0	- .1	- 1.4
Durable Goods*	34.5	34.6	35.2	- .1	- .7
Fabricated metal products	12.3	12.3	13.0	- .1	- .7
Machinery, except electrical	9.0	9.1	9.4	- .1	- .4
Metalworking machinery	2.9	3.0	3.1	- .1	- .2
Nondurable Goods	31.2	31.1	31.9	.1	- .7
Food and kindred products	2.6	2.6	2.8	.0	- .2
Chemicals and allied products	2.7	2.7	2.7	.0	.0
Rubber and misc. plastics products	20.5	20.4	21.2	.1	- .7
Tires and inner tubes	13.6	13.6	14.0	.0	- .4
NONMANUFACTURING	205.6	205.7	196.1	- .1	9.5
CONSTRUCTION	11.0	10.8	9.6	.2	1.4
TRANSPORTATION AND PUBLIC UTILITIES	13.3	13.2	12.9	.1	.4
Communication, electric, gas services	5.3	5.3	5.2	.0	.1
WHOLESALE TRADE	14.4	14.3	13.7	.1	.7
RETAIL TRADE	52.7	52.7	50.2	- .1	2.5
General merchandise stores	7.0	6.8	6.8	.2	.2
FINANCE, INSURANCE, AND REAL ESTATE	10.3	10.2	9.9	.1	.4
Banking	3.3	3.2	3.2	.1	.1
SERVICES	59.1	60.3	55.6	- 1.2	3.5
Business services	12.4	12.3	10.8	.1	1.6
Amusement and recreation services	3.1	4.8	2.6	- 1.7	.5
Health services	17.5	17.3	17.5	.2	.0
GOVERNMENT	44.1	43.4	43.4	.7	.7
State government	15.6	15.3	15.4	.3	.2
State government education	12.8	12.4	12.6	.4	.2
State government, except education	2.8	2.9	2.8	- .1	.0
Local government	26.2	25.8	25.9	.4	.3
Local government education	14.3	13.7	14.0	.6	.3
Local government, except education	12.0	12.2	11.9	- .2	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

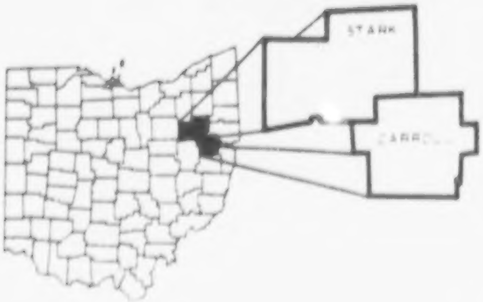
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]
MANUFACTURING	$489.19	$490.16	$463.84	43.1	43.3	42.1	$11.35	$11.32	$11.02
Durable Goods[e]	508.08	510.27	477.84	43.5	43.8	42.1	11.68	11.65	11.35
Fabricated metal products	657.34	641.70	578.00	46.0	46.0	42.5	14.29	13.95	13.60
Machinery, except electrical	426.41	435.25	419.79	43.6	43.7	43.1	9.78	9.96	9.74
Metalworking machinery	436.74	445.54	404.78	43.5	44.2	42.9	10.04	10.08	9.44
Nondurable Goods	459.19	459.00	440.58	42.4	42.5	42.0	10.83	10.80	10.49
Food and kindred products	451.67	444.85	449.59	41.4	40.7	42.9	10.91	10.93	10.48
Chemicals and allied products	465.20	446.00	459.68	40.9	40.0	41.6	11.38	11.15	11.05
Rubber and misc. plastics products	492.16	495.18	458.02	44.1	44.5	42.8	11.16	11.13	10.70
Tires and inner tubes	706.13	705.66	630.09	48.2	48.2	45.2	14.65	14.64	13.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	560.85	552.68	554.80	41.3	41.0	41.8	13.58	13.48	13.27
WHOLESALE TRADE	319.60	325.17	322.43	37.6	38.1	37.8	8.50	8.54	8.53
RETAIL TRADE[g]	194.36	191.27	181.43	31.1	31.0	29.5	6.25	6.17	6.15

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Motel... payments and tips not included. Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. Decreased due to labor-management disputes.

Selected Administrative Program Activities

	October 1986	September 1986	October 1985
Employment Service Program			
New Applicants	3,211	3,179	4,002
Active File of Job Seekers	20,882	21,487	25,623
Referrals to Jobs	1,491	1,515	2,201
Placements	495	771	572
Job Openings Received	714	1,004	897
Job Openings Unfilled	921	1,197	808
Unemployment Insurance Program			
Initial Claims	3,542	3,168	3,651
Continued Claims	28,844	27,859	29,632
First Payments	1,212	1,030	1,324
Last Payments	477	419	477
Weeks Compensated	20,437	17,033	21,843
Benefits Paid	$2,951,717	$2,419,154	$3,084,248
Average Weekly Payment	$148.35	$145.83	$146.78

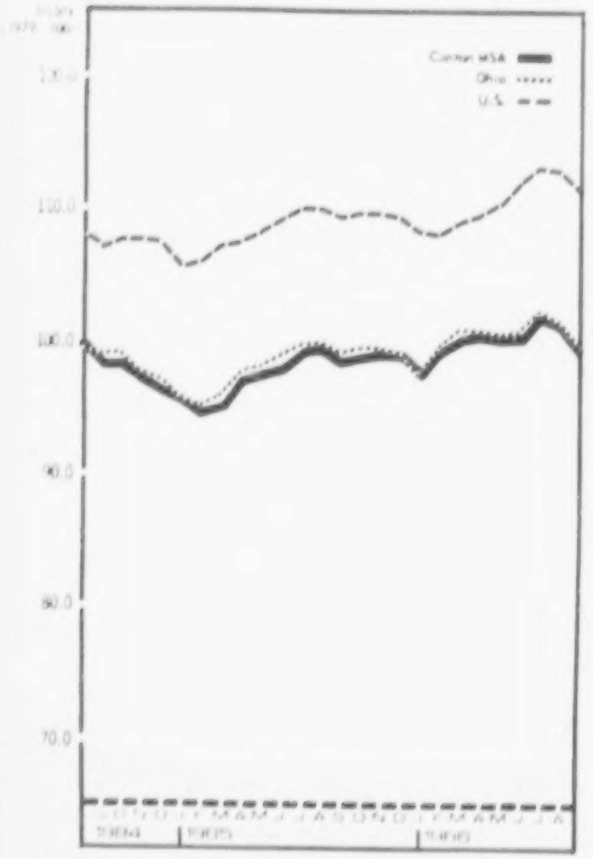
CANTON
METROPOLITAN STATISTICAL AREA



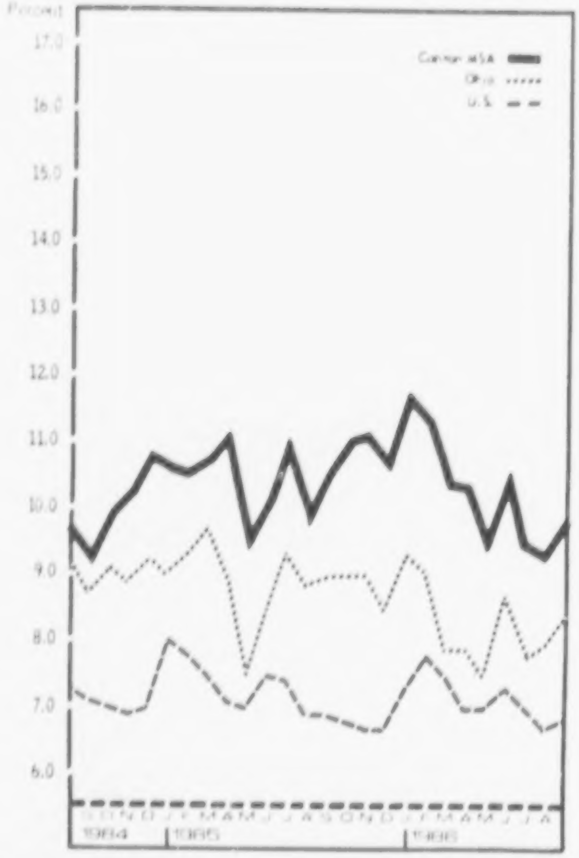
Canton's nonfarm wage and salary employment dropped 4,000 from September, to 154,700 in October. The loss was concentrated in manufacturing, as labor-management disputes in durable-goods industries helped to lower employment 5,300, to 39,600. Gains in local government schools and services helped to raise nonmanufacturing employment 1,300. Manufacturing production workers had an average workweek of 40.1 hours, up .3 hours. Their hourly earnings dropped $.17, to $11.08.

The nonagricultural wage and salary employment rose 300 from October 1985 to October 1986. There were significant gains in retail trade and services. These were nearly negated by declines in durable goods, especially primary metals, as manufacturing employment dropped 6,300.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



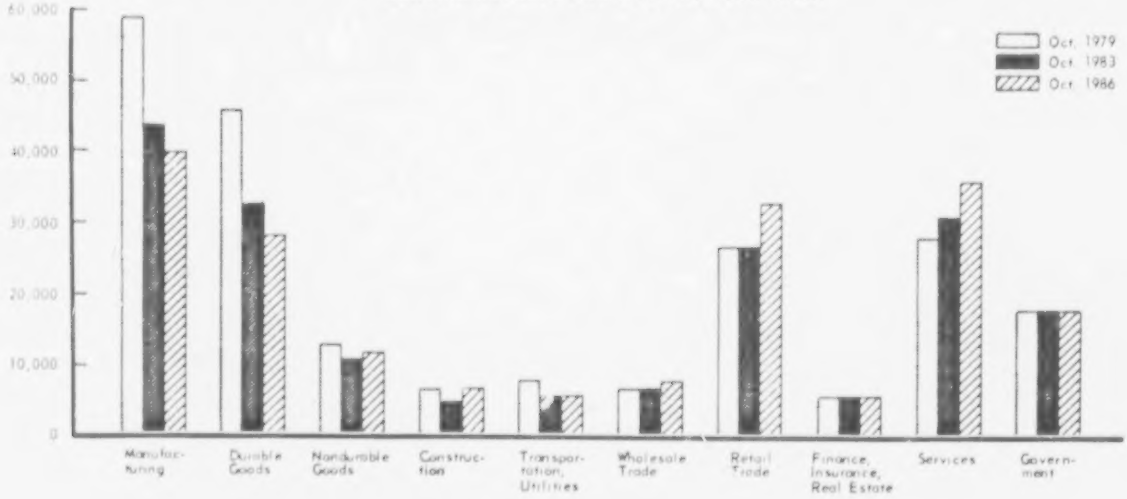
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
174.7	158.0	16.7	9.6	1975	145.0	55.3	40.5	$222.22	39.4	$ 5.64
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	244.73	39.6	6.19
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.55
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.7	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	45.4	33.6	437.53	40.4	10.83
189.6	169.6	20.0	10.5	1985	152.2	45.3	33.8	435.81	39.8	10.95
				1985						
190.8	170.8	20.0	10.5	September	153.9	46.4	33.4	439.90	40.1	10.97
192.8	171.7	21.1	11.0	October	154.4	45.8	33.0	442.30	40.1	11.03
193.7	172.2	21.5	11.1	November	155.5	46.1	33.2	444.21	40.2	11.05
192.1	171.8	20.3	10.6	December	155.7	46.0	33.1	448.63	40.2	11.18
				1986						
191.3	168.9	22.4	11.7	January	152.3	45.8	32.7	450.32	40.1	11.23
194.3	172.4	21.9	11.3	February	152.7	46.1	33.0	449.65	40.4	11.13
194.3	174.1	20.2	10.4	March	153.2	45.6	32.5	447.12	40.1	11.15
194.4	174.5	19.9	10.3	April	156.0	45.6	32.6	442.89	39.9	11.10
191.9	173.8	18.1	9.4	May	157.6	45.5	32.5	444.09	39.9	11.13
194.5	174.1	20.4	10.5	June	158.2	45.4	32.5	446.88	39.9	11.20
196.2	177.6	18.6	9.5	July	157.6	45.0	32.1	449.52	40.1	11.21
193.7	175.8	17.9	9.3	August	157.7	45.2	32.3	448.48	39.9	11.24
191.3	172.6	18.7	9.8	September	158.7	44.9	32.2	447.75	39.8	11.25
INA	INA	INA	INA	October	156.7	39.6	28.8	444.31	40.1	11.08

[illegible]

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[b]	September 1986[c]	October 1985[c]	From Last Month	From Last Year
TOTAL	154.7	158.7	154.4	- 4.0	.3
MANUFACTURING	39.6	44.9	45.8	- 5.3	- 6.2
Durable Goods*	28.0	33.2	34.1	- 5.2	- 6.1
Primary metal industries	9.4	11.2	11.1	- 1.8	- 1.7
Fabricated metal products	6.6	6.7	7.0	- .1	- .4
Metal forgings and stampings	2.2	2.3	2.5	- .1	- .3
Nondurable Goods	11.6	11.7	11.7	- .1	- .1
Food and kindred products	4.2	4.3	4.3	- .1	.1
Rubber and misc. plastics products	2.5	2.5	2.8	.0	- .3
NONMANUFACTURING	115.1	113.8	108.5	1.3	6.6
CONSTRUCTION	7.0	6.8	6.3	.2	.7
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	6.1	.1	.1
Communication, electric, gas services	2.7	2.7	2.8	.0	- .1
WHOLESALE TRADE	8.0	8.0	7.9	.0	.1
Wholesale trade-durable goods	4.5	4.5	4.5	.0	.0
RETAIL TRADE	32.6	32.4	29.8	.2	2.8
General merchandise stores	4.1	3.9	3.8	.2	.3
Food stores	5.5	5.4	5.1	.1	.4
FINANCE, INSURANCE, AND REAL ESTATE	5.2	5.2	5.1	.0	.1
Banking	1.8	1.8	1.8	.0	.0
SERVICES	36.2	35.8	33.9	.4	2.3
Health services	14.2	14.1	13.9	.1	.3
GOVERNMENT	17.6	17.2	17.3	.4	.3
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.6	14.2	14.4	.4	.2
Local government education	8.7	8.1	8.3	.6	.4
Local government except education	5.9	6.0	6.1	- .1	- .2

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

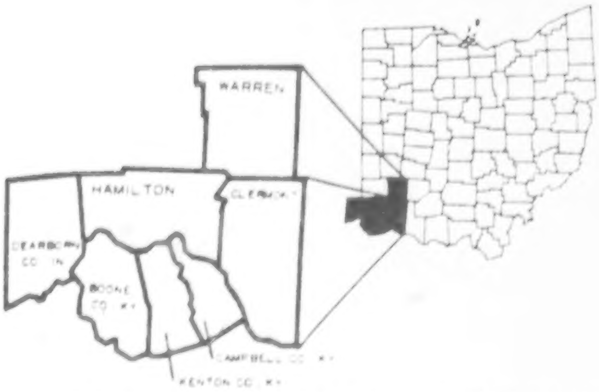
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]
MANUFACTURING	$444.31	$447.75	$442.30	40.1	39.8	40.1	$11.08	$11.25	$11.03
Durable Goods[e]	457.07	467.60	457.14	40.2	40.0	40.1	11.37	11.69	11.42
Primary metal industries	500.75	493.68	469.94	39.9	39.5	38.3	12.55	12.50	12.27
Fabricated metal products	504.05	494.32	491.57	42.5	41.4	41.8	11.86	11.94	11.75
Metal forgings and stampings	637.39	631.63	642.75	42.1	41.5	41.9	15.14	15.22	15.34
Nondurable Goods[f]	413.12	391.64	394.99	39.8	39.4	40.1	10.38	9.94	9.85
Food and kindred products	434.11	421.58	399.84	39.5	39.4	39.2	10.99	10.70	10.20
Rubber and misc. plastics products	426.42	422.09	466.47	41.2	40.9	41.8	10.35	10.32	11.16
TRANSPORTATION AND PUBLIC UTILITIES[g]	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	541.86	534.56	515.68	41.3	40.6	41.1	13.12	13.17	12.55
WHOLESALE TRADE	331.34	330.17	338.19	34.3	34.5	35.9	9.66	9.57	9.42
RETAIL TRADE[h]	154.73	156.42	159.94	28.6	28.7	29.4	5.41	5.45	5.44

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1986	September 1986	October 1985
Employment Service Program			
New Applicants	1,515	1,526	2,496
Active File of Job Seekers	17,907	19,705	20,425
Referrals to Jobs	1,089	934	1,515
Placements	265	302	595
Job Openings Received	552	497	772
Job Openings Unfilled	352	284	321
Unemployment Insurance Program			
Initial Claims	3,931	6,893	3,911
Continued Claims	32,342	21,281	23,557
First Payments	4,446	720	1,204
Last Payments	319	351	384
Weeks Compensated	26,278	12,734	17,422
Benefits Paid	$4,350,578	$1,755,618	$2,571,214
Average Weekly Payment	$169.54	$142.82	$152.22

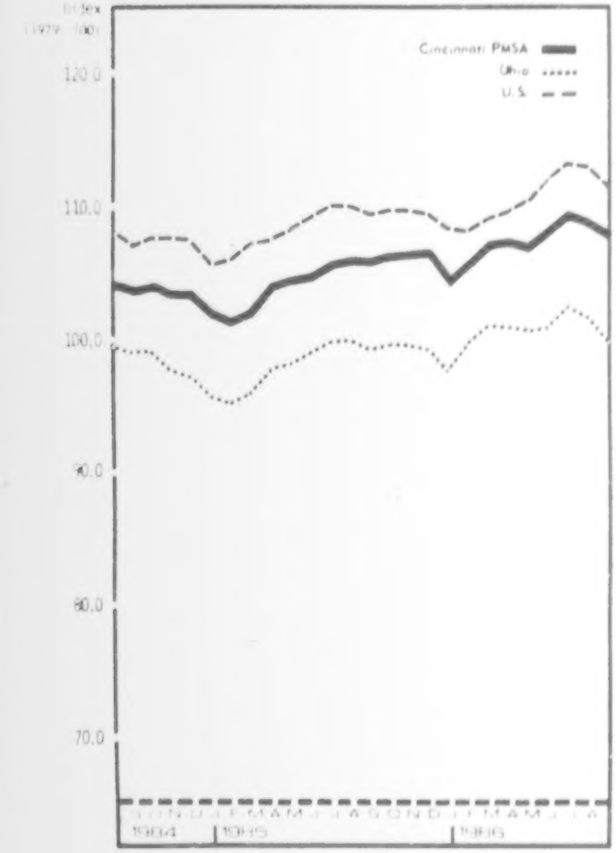
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



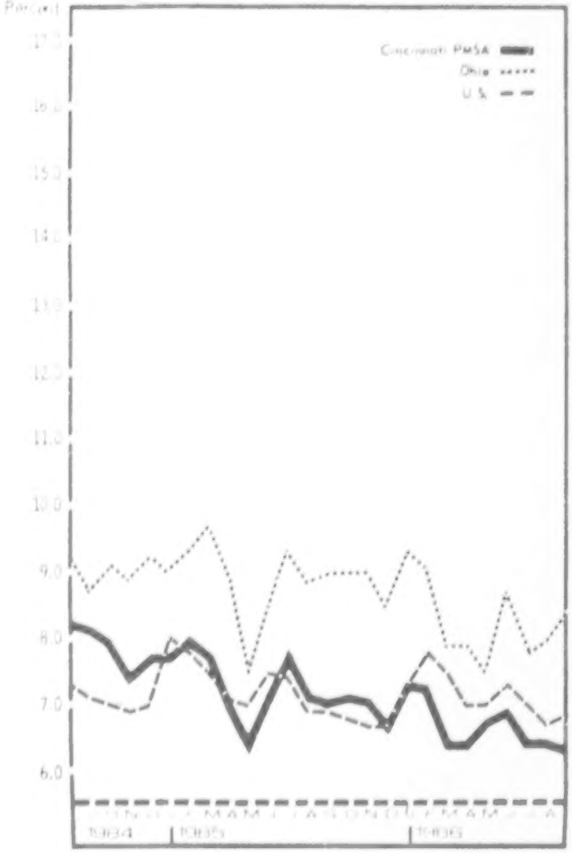
Nonagricultural wage and salary employment in Cincinnati rose 2,800 from September to 669,700 in October. Manufacturing employment increased slightly to 149,500. Seasonal gains in state and local schools and colleges, retail trade, and construction were partially offset by a large seasonal decline in services, especially amusement and recreation services. The average hourly earnings of manufacturing production workers, at $10.82, and their average workweek, at 42.4 hours, were fractionally higher.

Since October 1985, nonagricultural employment has risen 30,400. Most of the increase was in services and retail trade, although all nonmanufacturing divisions were up. Manufacturing employment was 1,000 higher, as losses in nonelectrical machinery were overshadowed by gains in chemicals and rubber and plastics.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



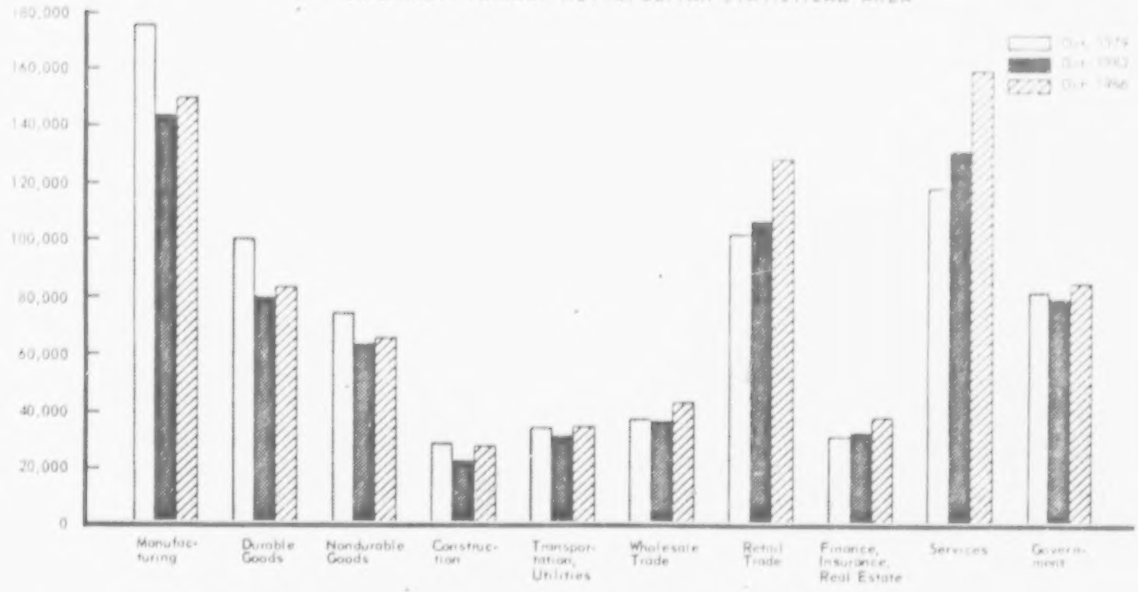
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
595.3	551.6	43.6	7.3	1975	531.2	151.3	106.1	$211.75	40.8	$5.19
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	232.22	41.1	5.66
623.4	588.7	34.7	5.6	1977	562.1	161.2	112.7	258.87	41.5	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	118.4	286.75	42.1	6.85
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.8	301.37	41.2	7.31
676.2	628.6	47.5	7.0	1980	629.7	162.4	106.8	[illegible]	[illegible]	[illegible]
678.5	619.3	59.1	8.7	1981	592.2	157.3	104.5	[illegible]	[illegible]	[illegible]
682.0	610.4	71.6	10.5	1982	575.3	146.1	95.5	[illegible]	[illegible]	[illegible]
687.6	615.2	72.4	10.5	1983	575.6	143.6	95.7	415.58	[illegible]	[illegible]
695.9	638.4	57.5	8.3	1984	600.8	145.0	98.6	441.91	41.9	[illegible]
708.3	657.3	51.0	7.2	1985	620.2	147.7	98.0	441.75	[illegible]	[illegible]
				1985						
714.8	664.7	50.1	7.0	September	639.9	149.3	97.7	[illegible]	[illegible]	[illegible]
718.5	667.4	51.1	7.1	October	639.1	149.5	97.1	[illegible]	[illegible]	[illegible]
718.4	668.5	50.0	7.0	November	642.0	149.6	97.6	[illegible]	[illegible]	[illegible]
716.7	669.1	47.6	6.6	December	645.7	149.6	97.6	[illegible]	[illegible]	[illegible]
				1986						
704.3	653.0	51.4	7.3	January	632.0	149.1	96.7	[illegible]	41.0	[illegible]
715.7	663.9	51.8	7.2	February	633.5	149.1	[illegible]	[illegible]	[illegible]	[illegible]
718.6	672.5	46.1	6.4	March	638.3	147.3	[illegible]	[illegible]	[illegible]	[illegible]
720.1	674.1	46.0	6.4	April	648.6	146.7	96.1	[illegible]	[illegible]	[illegible]
720.3	671.9	48.4	6.7	May	655.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
730.5	679.8	50.8	6.9	June	657.5	148.1	97.3	[illegible]	[illegible]	[illegible]
735.1	688.3	46.8	6.4	July	655.7	147.7	96.9	[illegible]	[illegible]	[illegible]
730.7	684.2	46.5	6.4	August	658.6	150.9	98.9	[illegible]	[illegible]	[illegible]
723.3	676.3	47.0	6.5	September	656.3	149.5	[illegible]	[illegible]	[illegible]	[illegible]
*NA	*NA	*NA	*NA	October	660.7	149.5	98.2	[illegible]	[illegible]	[illegible]

*NA [illegible]

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[p]	September 1986[r]	October 1985[r]	From Last Month	From Last Year
TOTAL	669.7	666.9	639.3	2.8	30.4
MANUFACTURING	149.5	149.5	148.5	.1	1.0
Durable Goods[c]	83.5	83.7	84.2	- .2	- .7
Fabricated metal products	10.9	10.8	11.0	.2	.1
Fabricated structural metal products	4.0	3.9	4.0	.1	.0
Machinery, except electrical	20.4	20.6	21.6	- .2	- 1.2
Metalworking machinery	8.7	8.8	9.6	- .1	- .9
General industrial machinery	2.8	2.8	2.9	.0	- .1
Electric and electronic equipment	7.7	7.7	7.6	.0	.1
Transportation equipment	29.1	29.1	28.8	.1	.4
Motor vehicles and equipment	8.5	8.6	9.9	- .1	- 1.4
Nondurable Goods	66.0	65.8	64.3	.2	1.7
Food and kindred products	13.0	12.9	13.0	.1	.0
Beverages	4.1	4.2	4.2	- .1	.1
Apparel and other textile products	3.5	3.4	3.8	.1	- .3
Paper and allied products	6.3	6.1	5.9	.2	.4
Printing and publishing	12.5	12.3	12.5	.2	.0
Commercial printing	5.4	5.3	5.5	.1	- .1
Chemicals and allied products	22.1	22.2	20.8	- .1	1.4
Rubber and misc. plastics products	5.8	5.9	5.7	- .1	.1
NONMANUFACTURING	520.1	517.4	490.8	2.7	29.3
CONSTRUCTION	27.8	27.0	25.6	.8	2.2
TRANSPORTATION AND PUBLIC UTILITIES	34.9	34.7	34.0	.2	.9
Trucking and warehousing	10.6	10.5	10.1	.1	.5
Communication, electric, gas services	14.5	14.6	14.8	- .1	- .3
WHOLESALE TRADE	43.5	43.3	41.5	.2	2.0
Wholesale trade-durable goods	25.8	25.7	24.6	.1	1.2
RETAIL TRADE	129.4	128.0	120.2	1.4	9.2
General merchandise stores	21.4	20.5	19.8	.9	1.6
FINANCE, INSURANCE, AND REAL ESTATE	39.1	39.0	35.7	.1	3.4
Banking	8.3	8.1	7.9	.2	.4
Insurance carriers	12.0	12.0	11.5	.0	.6
SERVICES	159.9	162.4	149.0	- 2.5	10.9
Hotels and other lodging places	6.5	7.2	6.2	- .7	.3
Personal services	8.4	8.3	7.6	.1	.8
Business services	38.5	38.9	34.2	- .4	4.3
Amusement and recreation services	6.9	9.3	5.5	- 2.4	1.4
Health services	48.1	47.9	46.5	.2	1.6
GOVERNMENT	86.0	83.5	83.1	2.5	2.9
Federal government	12.9	12.9	12.7	.1	.2
State government	19.6	18.3	19.0	1.3	.6
State government education	11.9	10.4	11.8	1.4	.1
State government, except education	7.7	7.9	7.2	- .2	.5
Local government	53.5	52.3	51.5	1.2	2.0
Local government education	31.0	29.8	29.5	1.3	1.5
Local government, except education	22.5	22.5	22.0	- .1	.5

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1986p	Sep. 1986r	Oct. 1985	Oct. 1986p	Sep. 1986r	Oct. 1985	Oct. 1986p	Sep. 1986r	Oct. 1985
MANUFACTURING	$458.77	$456.84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods*	467.50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	443.77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	478.27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	.....	.....	.....

*See Technical Notes for concepts. pPreliminary. rRevised. [illegible] Based on unrounded figures. [illegible] stone, clay and glass products; primary metal industries; instruments and related products; [illegible] textile mill products; petroleum and coal products; leather and leather products; [illegible] includes State universities. Excludes [illegible] agricultural extension service [illegible] labor-management disputes.

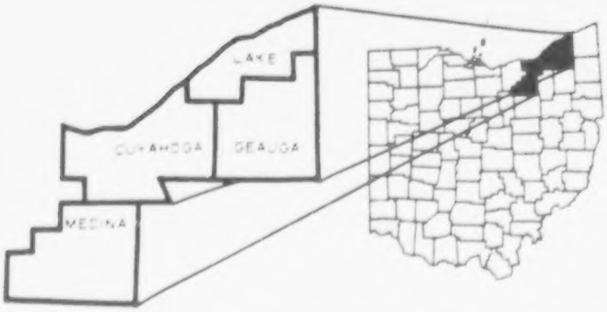
Selected Administrative Program Activities[a]

	[illegible]	[illegible]	[illegible]
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	1,858	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

*Revised.

[a]Ohio data only

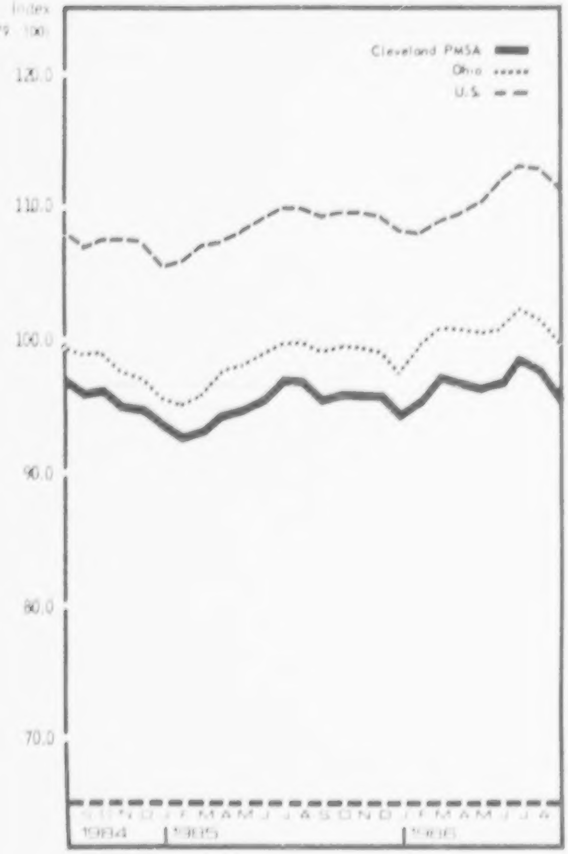
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



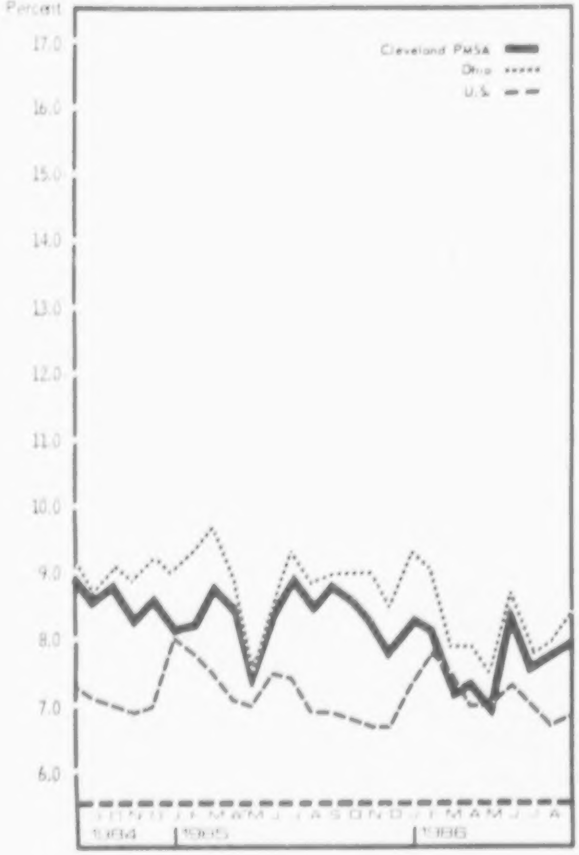
Nonfarm establishments in the Cleveland PMSA employed 897,900 in October, up 2,000 from September. Increases in local government schools and services accounted for most of the gain. Manufacturing employment, at 202,600, fell 1,400 from September. Several industries had lower employment, with motor vehicles and equipment the most significant. Factory production workers earned an average of $11.39 per hour, down $.05 from September. Their average workweek shrank .2 hours, to 42.2 hours.

Gains in services, retail trade, finance, insurance, and real estate, and local government boosted nonagricultural wage and salary employment 17,300 from October 1985. Manufacturing employment fell 6,300 over the year. Nearly all industries had reduced employment, with the largest losses in nonelectrical machinery, transportation equipment, and instruments and related products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

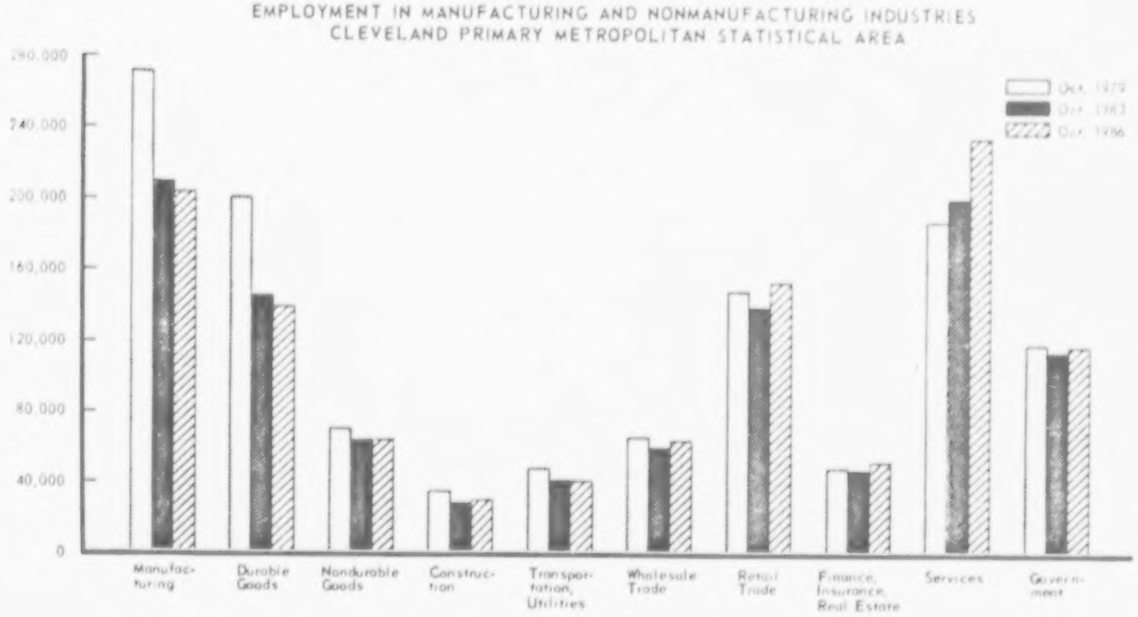


Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
896.9	826.3	70.6	7.9	1975	850.6	260.1	176.9	$227.45	41.0	$ 5.53
897.7	834.4	63.3	7.0	1976	860.0	265.1	182.9	265.62	42.3	6.22
908.5	854.4	54.0	5.9	1977	881.9	270.0	186.0	292.7?	42.9	6.8?
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.2	321.75	42.9	7.53
935.8	889.1	46.7	5.0	1979	919.8	276.1	184.8	337.87	42.2	8.01
937.1	869.1	68.0	7.3	1980	895.2	254.9	165.2	350.70	41.0	8.53
933.9	854.1	79.8	8.5	1981	882.7	256.0	161.6	386.53	41.1	9.40
933.4	833.2	100.2	10.7	1982	849.6	221.0	141.8	402.34	39.9	10.08
928.7	823.4	105.3	11.3	1983	829.6	207.3	132.4	437.61	40.9	10.69
923.5	841.0	82.5	8.9	1984	854.5	213.0	139.6	480.13	42.3	11.08
922.0	845.5	76.5	8.3	1985	869.3	210.7	135.1	487.??	42.9	11.19
				1985						
928.5	846.9	81.6	8.8	September	878.1	209.4	134.3	472.32	41.9	11.28
932.9	853.7	79.2	8.5	October	880.8	208.9	134.1	487.84	41.9	11.25
929.0	852.6	76.4	8.2	November	882.7	208.3	136.8	468.28	41.6	11.24
922.1	851.0	71.1	7.7	December	885.2	208.1	134.5	485.11	42.4	11.46
				1986						
912.8	837.2	75.6	8.3	January	866.8	207.3	133.6	[illegible]	[illegible]	[illegible]
929.2	854.3	74.9	8.1	February	869.1	205.1	132.1	[illegible]	[illegible]	11.39
931.6	865.3	66.3	7.1	March	875.9	206.3	133.3	[illegible]	[illegible]	[illegible]
926.7	859.2	67.5	7.3	April	885.8	205.7	132.6	[illegible]	41.0	11.40
918.2	855.9	62.3	6.8	May	890.3	205.4	132.7	[illegible]	[illegible]	11.33
940.1	861.4	78.7	8.4	June	898.8	205.8	132.7	480.36	42.1	11.41
949.4	878.1	71.3	7.5	July	895.0	203.1	129.8	453.57	40.0	11.27
940.2	867.6	72.6	7.7	August	892.9	202.5	129.4	479.56	42.1	11.37
927.6	867.8	72.9	7.8	September	895.3	204.0	130.3	487.70	42.4	11.44
INA	INA	INA	INA	October	897.4	202.8	129.4	[illegible]	[illegible]	11.33

*INA information not available



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[b]	September 1986[c]	October 1985[c]	From Last Month	From Last Year
TOTAL	897.9	895.9	880.6	2.0	17.3
MANUFACTURING	202.6	204.0	208.3	- 1.4	- 5.7
Durable Goods[e]	138.7	139.9	144.5	- 1.2	- 5.8
Primary metal industries	21.8	21.8	22.3	.0	- .5
Blast furnace and basic steel products	10.1	10.0	10.4	.1	- .3
Iron and steel foundries	5.1	5.2	5.5	- .1	- .4
Fabricated metal products	32.2	32.4	32.8	- .2	- .6
Fabricated structural metal products	3.4	3.4	3.3	.0	.1
Screw machine products, bolts, etc.	4.7	4.8	4.7	- .1	.0
Metal forgings and stampings	10.5	10.5	10.9	.0	- .4
Machinery, except electrical	30.7	30.9	32.0	- .2	- 1.3
Construction and related machinery	3.1	3.2	3.3	- .1	- .2
Metalworking machinery	9.6	9.6	10.4	.0	- .8
Special industry machinery	3.7	3.7	4.1	.0	- .4
General industrial machinery	2.8	2.8	3.0	.0	- .2
Electric and electronic equipment	18.6	18.6	19.3	.0	- .7
Electrical industrial apparatus	6.6	6.6	6.9	.0	- .3
Transportation equipment	16.5	17.1	17.7	- .6	- 1.2
Motor vehicles and equipment	11.5	12.2	12.6	- .7	- 1.1
Instruments and related products	7.2	7.3	7.5	- .1	- .3
Measuring and controlling devices	4.3	4.2	4.3	.1	.0
Nondurable Goods	63.9	64.1	64.4	- .2	- .5
Food and kindred products	7.2	7.1	7.0	.1	.2
Apparel and other textile products	4.5	4.5	4.8	.0	- .3
Paper and allied products	5.4	5.4	5.2	.0	.2
Printing and publishing	15.5	15.4	14.8	.1	.7
Chemicals and allied products	13.5	13.7	14.0	- .2	- .5
Rubber and misc. plastics products	11.9	12.0	12.1	- .1	- .2
NONMANUFACTURING	695.3	691.9	671.7	3.4	23.6
CONSTRUCTION	31.3	31.6	30.9	- .3	.4
TRANSPORTATION AND PUBLIC UTILITIES	42.4	42.4	41.9	.0	.5
Trucking and warehousing	12.1	11.9	11.5	.2	.6
Communication, electric, gas services	18.2	18.3	18.5	- .1	- .3
WHOLESALE TRADE	64.2	64.2	63.7	.0	.5
Wholesale trade-durable goods	44.9	44.8	44.7	.1	.2
RETAIL TRADE	152.7	152.3	147.9	.4	4.8
General merchandise stores	20.4	19.8	20.6	.6	- .2
FINANCE, INSURANCE, AND REAL ESTATE	52.7	52.7	49.9	.0	2.8
Banking	13.3	13.4	13.0	- .1	.3
Credit agencies other than banks	8.7	8.6	8.0	.1	.7
Insurance carriers	12.1	12.2	11.5	- .1	.6
SERVICES	233.7	232.6	221.3	1.1	12.4
Business services	52.2	52.6	47.4	- .4	4.8
Amusement and recreation services	7.1	8.7	7.5	- 1.6	- .4
Health services	71.3	71.1	68.3	.2	3.0
GOVERNMENT	117.4	115.0	115.1	2.4	2.3
Federal government	19.9	19.9	19.7	.0	.2
State government	8.2	7.7	8.0	.5	.2
State government education	3.1	2.3	3.0	.8	.1
State government except education	5.0	5.2	4.9	- .2	.1
Local government	89.3	87.5	87.4	1.8	1.9
Local government education	44.4	42.5	43.7	1.9	.7
Local government except education	44.9	45.0	43.7	- .1	1.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

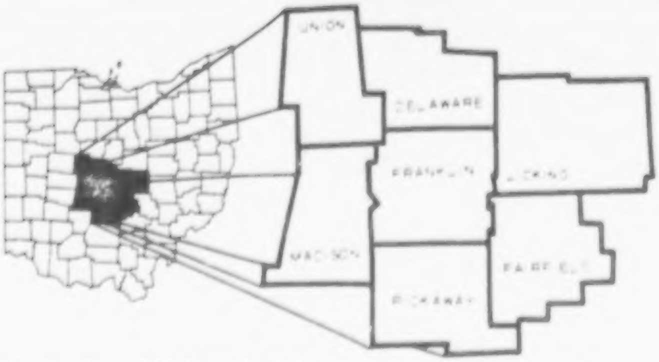
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]
MANUFACTURING	$480.65	$485.06	$467.58	42.2	42.4	41.6	$11.39	$11.44	$11.24
Durable Goods[e]	510.35	511.68	500.49	42.6	42.7	42.2	11.98	12.01	11.86
Primary metal industries	575.29	591.65	540.60	42.9	43.6	40.8	13.41	13.57	13.25
Blast furnace and basic steel products	534.26	588.19	509.64	39.4	42.1	37.2	13.56	13.97	13.70
Iron and steel foundries	817.90	793.28	727.52	49.6	48.4	45.9	16.49	16.39	15.85
Fabricated metal products	508.21	501.60	486.14	43.4	42.9	42.1	11.71	11.69	11.54
Fabricated structural metal products	413.76	412.02	358.41	44.3	41.6	39.2	9.34	9.90	9.14
Screw machine products, bolts, etc.	432.21	435.56	402.21	41.8	41.8	41.7	10.34	[illegible]	9.65
Metal forgings and stampings	657.30	655.85	636.08	45.1	45.2	44.8	[illegible]	[illegible]	[illegible]
Machinery, except electrical	456.30	448.36	473.06	[illegible]	41.4	41.4	[illegible]	[illegible]	[illegible]
Construction and related machinery	437.03	436.33	425.20	46.1	45.6	44.2	9.48	9.56	9.62
Metalworking machinery	412.29	407.43	384.47	40.9	40.1	38.8	[illegible]	[illegible]	9.88
Special industry machinery	437.98	432.25	502.71	41.8	41.4	45.1	[illegible]	[illegible]	[illegible]
General industrial machinery	480.24	466.15	440.54	43.3	42.3	40.4	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	421.14	425.72	421.37	40.1	40.7	40.4	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	444.57	448.25	451.98	40.6	41.2	41.2	[illegible]	[illegible]	[illegible]
Transportation equipment	685.69	701.47	661.68	45.5	46.4	45.1	15.07	[illegible]	[illegible]
Motor vehicles and equipment	718.23	737.68	705.97	45.4	46.6	45.4	15.82	15.83	15.55
Instruments and related products	402.21	407.53	423.72	41.0	41.5	42.8	9.81	9.82	9.90
Measuring and controlling devices	395.09	403.57	396.19	40.9	41.7	42.1	9.66	9.68	[illegible]
Nondurable Goods[f]	412.11	414.14	384.90	41.3	41.6	41.1	9.98	9.96	[illegible]
Food and kindred products	398.74	402.32	363.31	42.3	41.6	40.2	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	408.77	275.91	38.6	38.5	35.9	[illegible]	[illegible]	[illegible]
Paper and allied products	477.28	493.50	454.24	41.5	44.7	43.1	[illegible]	[illegible]	[illegible]
Printing and publishing	451.44	[illegible]	390.60	39.8	39.1	37.8	[illegible]	[illegible]	[illegible]
Chemicals and allied products	503.44	537.08	471.35	43.4	41.2	41.7	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	381.67	377.56	384.20	43.2	43.0	43.5	8.81	8.76	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	558.22	41.7	41.3	41.6	13.87	13.79	[illegible]
WHOLESALE TRADE	[illegible]	369.18	[illegible]	35.7	38.1	33.9	[illegible]	[illegible]	[illegible]
RETAIL TRADE[g]	181.61	181.46	177.10	19.6	28.1	25.2	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	321.32	294.47	298.54	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, stone, clay, and glass products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1986	September 1986	October 1985
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

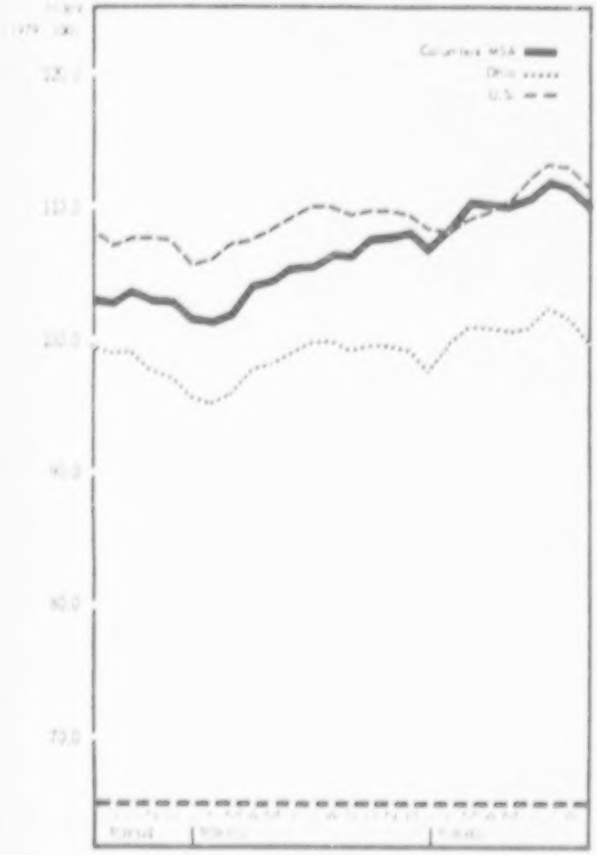
COLUMBUS
METROPOLITAN STATISTICAL AREA



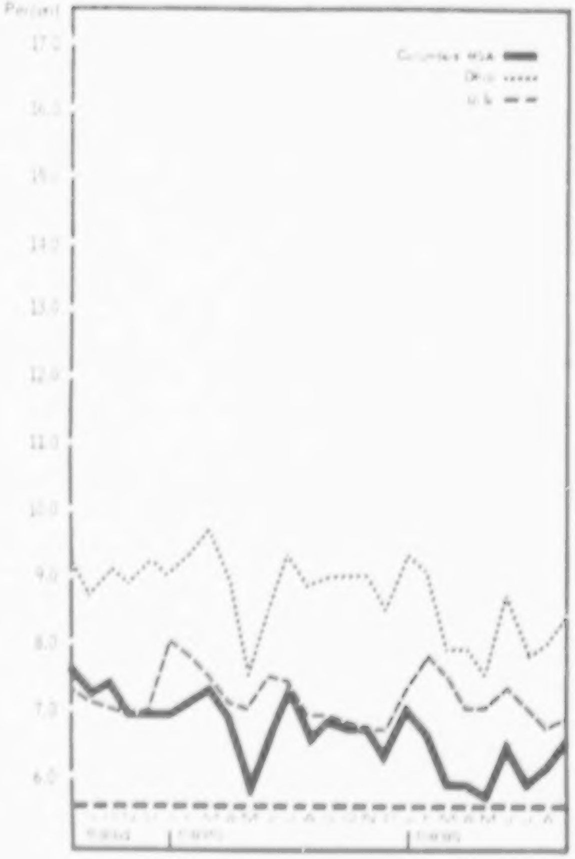
Nonagricultural payroll employment in the Columbus MSA in October advanced 7,400 from September, to 659,200. Government had the largest gain, as nonteaching employees returned to educational institutions. Retail trade and services also had noteworthy increases. Losses in stone, clay, and glass products and nonelectrical machinery reduced manufacturing employment 2,300, to 103,800. Production workers in manufacturing worked an average of 40.8 hours per week, down .5 hours from September. Their average hourly earnings were unchanged at $11.28.

Services and retail trade had large employment gains from October 1985, helping to raise nonfarm wage and salary employment 35,200. Most nonmanufacturing industries had increased employment. Declines in stone, clay, and glass products, nonelectrical machinery, and fabricated metal products more than offset a sizable increase in transportation equipment, lowering manufacturing employment 2,900 over the year.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



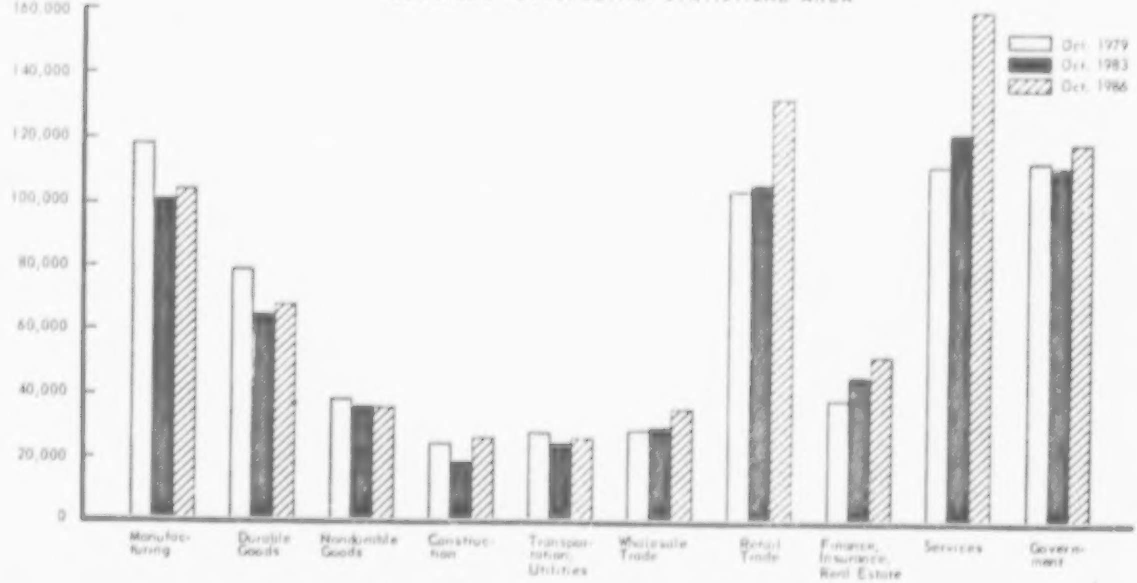
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	489.2	106.8	INA	INA	INA	INA
INA	INA	INA	INA	1976	503.0	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	550.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	566.3	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.7	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	99.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	579.4	104.7	69.1	$426.06	40.5	$10.52
650.4	606.7	43.7	6.7	1985	606.4	105.3	70.8	447.35	40.9	10.93
				1985						
657.9	613.3	44.6	6.8	September	616.4	106.0	71.6	454.53	41.7	10.90
666.8	622.1	44.7	6.7	October	623.2	106.7	71.2	449.36	41.0	10.96
667.3	622.6	44.7	6.7	November	627.4	106.0	71.5	458.62	41.7	10.95
665.3	624.3	41.0	6.2	December	631.4	107.1	71.6	463.14	41.8	11.08
				1986						
661.3	615.1	46.2	7.0	January	603.0	106.0	71.2	451.90	40.9	11.05
671.5	627.0	44.5	6.6	February	613.3	105.1	70.5	451.20	41.0	11.08
676.3	637.2	39.1	5.8	March	624.3	105.7	70.4	460.50	41.3	11.15
675.6	636.5	39.1	5.8	April	635.1	104.7	70.6	462.44	41.4	11.17
672.6	634.8	37.8	5.6	May	642.0	105.7	70.2	461.44	41.2	11.20
683.7	639.4	44.3	6.5	June	648.8	[illegible]	69.9	460.43	41.0	11.23
686.4	646.7	39.7	5.8	July	635.3	104.8	69.4	455.18	40.8	11.23
686.1	644.5	41.6	6.1	August	644.8	105.1	69.8	461.18	41.0	11.28
679.0	635.0	44.0	6.5	September	651.8	105.1	70.3	465.86	41.3	11.28
INA	INA	INA	INA	October	659.7	103.9	68.7	460.22	40.8	11.28

INA: Information not available.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[b]	September 1986[c]	October 1985[c]	From Last Month	From Last Year
TOTAL	659.2	651.8	623.9	7.4	35.3
MANUFACTURING	103.8	106.1	106.7	- 2.3	- 2.9
Durable Goods	67.6	69.9	70.8	- 2.3	- 3.2
Stone, clay and glass products	10.6	12.1	12.0	- 1.5	- 1.4
Glass and glassware, pressed or blown	3.1	4.6	4.5	- 1.5	- 1.4
Fabricated metal products	9.5	9.6	10.4	- .1	- .9
Fabricated structural metal products	3.0	3.1	3.2	- .1	- .2
Machinery, except electrical	8.8	9.4	10.1	- .6	- 1.3
Electric and electronic equipment	10.5	10.6	11.1	- .1	- .6
Transportation equipment	16.8	16.3	15.7	.5	1.1
Instruments and related products	4.3	4.4	4.2	- .1	.1
Nondurable Goods	36.2	36.2	35.9	.0	.3
Food and kindred products	9.7	9.6	9.6	.1	.1
Printing and publishing	10.1	10.0	9.7	.1	.4
Chemicals and allied products	6.8	7.0	6.5	- .2	.3
Rubber and misc. plastics products	5.3	5.2	5.2	.1	.1
NONMANUFACTURING	555.4	545.7	517.3	9.7	38.1
CONSTRUCTION	28.7	28.5	23.9	.2	4.8
TRANSPORTATION AND PUBLIC UTILITIES	27.0	26.7	26.2	.3	.8
Trucking and warehousing	11.8	11.6	10.9	.2	.9
Communication, electric, gas services	10.7	10.7	11.1	.0	- .4
WHOLESALE TRADE	35.6	35.5	34.1	.1	1.5
Wholesale trade-durable goods	23.8	23.9	22.7	- .1	1.1
RETAIL TRADE	133.1	131.1	123.5	2.0	9.6
General merchandise stores	17.7	16.2	16.0	1.5	1.7
FINANCE, INSURANCE, AND REAL ESTATE	53.0	52.8	49.7	.2	3.3
Banking	11.5	11.4	10.9	.1	.6
Insurance carriers	20.5	20.4	19.6	.1	.9
SERVICES	160.4	159.0	144.0	1.4	16.4
Business services	38.2	37.3	32.1	.9	6.1
Health services	38.3	38.1	36.1	.2	2.2
GOVERNMENT	118.5	112.9	114.9	5.7	3.6
Federal government	15.5	15.5	15.1	.0	.4
State government	52.1	47.4	50.6	4.7	1.4
State government education	22.5	17.8	22.3	4.7	.2
State government, except education	29.6	29.6	28.3	- .1	1.3
Local government	50.9	49.9	49.2	1.0	1.8
Local government education	30.5	29.5	29.3	1.0	1.1
Local government, except education	20.5	20.5	19.8	.0	.6

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

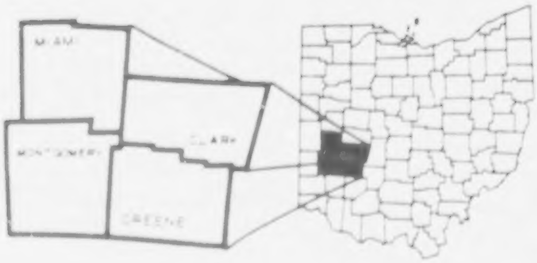
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]
MANUFACTURING	$460.22	$465.86	$445.26	40.8	41.3	41.0	$11.28	$11.28	$10.86
Durable Goods[e]	473.62	479.00	462.07	40.9	41.4	41.0	11.58	11.57	11.27
Stone, clay, and glass products	474.81	464.88	475.78	39.8	39.0	40.7	11.93	11.92	11.69
Glass and glassware, pressed or blown	483.05	464.06	441.86	42.9	40.6	39.7	11.26	11.43	11.13
Fabricated metal products	473.56	484.33	491.70	40.2	40.7	40.6	11.78	11.90	12.11
Fabricated structural metal products	417.18	438.68	389.22	40.7	41.7	39.0	10.25	10.52	9.98
Machinery, except electrical	440.02	437.00	411.48	41.2	41.5	40.5	10.68	10.53	10.16
Electric and electronic equipment	446.62	458.27	442.41	40.2	41.3	40.7	11.11	11.10	10.87
Transportation equipment	555.13	568.69	528.77	43.0	44.1	43.2	12.91	12.89	12.24
Instruments and related products	394.18	394.47	380.97	40.7	40.5	40.4	9.68	9.74	9.43
Nondurable Goods[f]	432.23	435.83	407.54	40.7	41.0	41.0	10.62	10.63	9.94
Food and kindred products	423.52	431.79	395.85	41.4	41.8	40.6	10.23	10.33	9.75
Printing and publishing	502.44	507.05	474.77	39.5	39.8	39.4	12.72	12.74	12.05
Chemicals and allied products	498.58	509.40	495.66	40.8	41.1	42.4	12.22	12.39	11.69
Rubber and misc. plastics products	342.38	334.51	328.32	41.3	41.4	42.2	8.29	8.08	7.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	575.29	563.64	515.38	41.9	41.8	40.6	13.73	13.48	12.69
WHOLESALE TRADE	339.11	340.07	296.06	38.8	38.6	38.3	8.74	8.81	7.73
RETAIL TRADE	164.10	165.02	170.82	28.1	28.5	29.2	5.84	5.79	5.85
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	244.11	244.17	237.52	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1986	September 1986	October 1985
EMPLOYMENT SERVICE PROGRAM			
New Applicants	4,935	4,866	7,732
Active File of Job Seekers	35,113	36,664	44,074
Referrals to Jobs	3,238	3,153	5,134
Placements	1,048	1,147	1,308
Job Openings Received	2,795	2,811	3,171
Job Openings Unfilled	5,813	6,654	7,884
Unemployment Insurance Program			
Initial Claims	6,181	4,970	5,231
Continued Claims	39,960	35,318	37,823
First Payments	2,225	1,681	1,779
Last Payments	683	498	655
Weeks Compensated	31,815	25,227	30,157
Benefits Paid	$4,768,884	$3,625,454	$4,293,841
Average Weekly Payment	$153.31	$147.37	$145.60

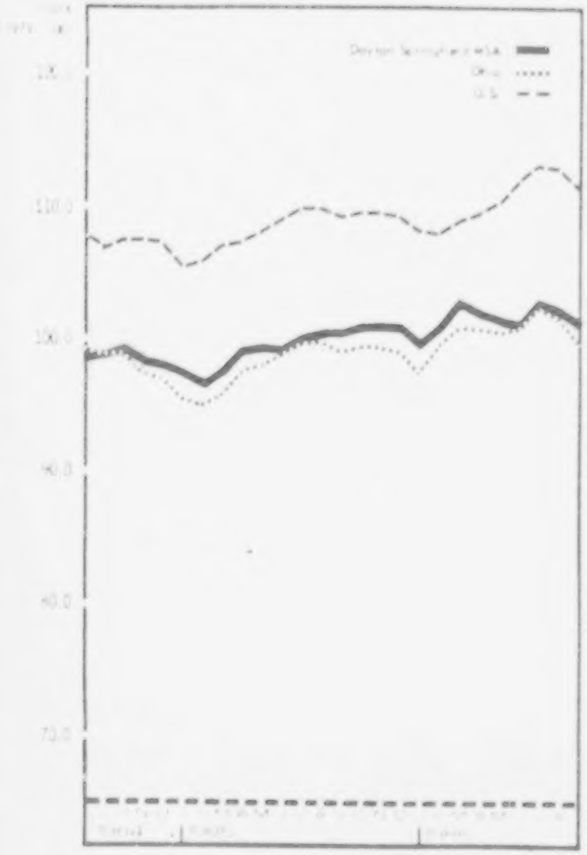
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



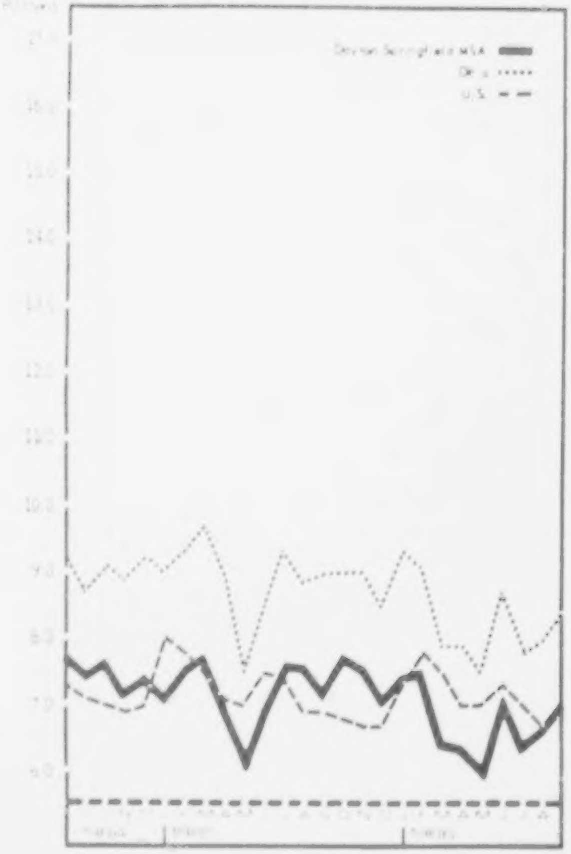
Increases in local and state government education, retail trade, and services raised nonagricultural wage and salary employment 2,200, to 429,800 in October. Manufacturing employment, at 104,200, was down 600. A decline in rubber and plastics products was responsible for the downturn, along with scattered losses in durable goods. Factory production workers had average hourly earnings of $11.97 in October, down $.07 from September. Their average workweek dropped one hour, to 41.9 hours.

Nonagricultural payroll employment rose 14,300 from October 1985. Services, retail trade, and construction accounted for most of the increase. Manufacturing employment dropped 2,800 over the year, due chiefly to losses in nonelectrical machinery, rubber and plastics products, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
NA	NA	NA	NA	1975	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1976	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1977	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1978	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1979	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1980	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1981	[illegible]	[illegible]	NA	NA	NA	NA
NA	NA	NA	NA	1982	[illegible]	[illegible]	NA	NA	NA	NA
[illegible]	[illegible]	[illegible]	[illegible]	1983	[illegible]	[illegible]	NA	NA	NA	NA
[illegible]	[illegible]	[illegible]	[illegible]	1984	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	1985	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				[illegible]						
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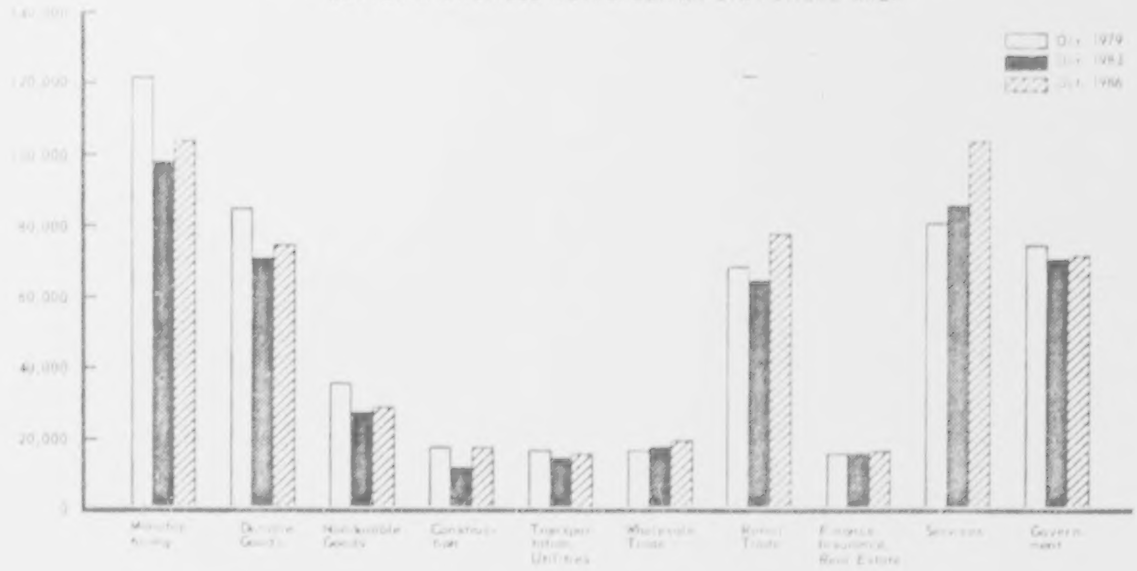
EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton - Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[p]	September 1986[r]	October 1985[r]	From Last Month	From Last Year
TOTAL	429.8	427.6	415.6	2.2	[illegible]
MANUFACTURING	104.2	103.7	[illegible]	.5	[illegible]
Durable Goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	8.3	8.4	8.5	.1	.2
Machinery, except electrical	[illegible]	21.3	[illegible]	[illegible]	[illegible]
Metalworking machinery	6.9	6.9	[illegible]	[illegible]	[illegible]
General industrial machinery	2.5	2.6	2.8	[illegible]	[illegible]
Electric and electronic equipment	5.1	5.1	5.4	[illegible]	[illegible]
Electrical industrial apparatus	2.8	2.8	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	22.2	[illegible]	[illegible]	[illegible]
Nondurable Goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	2.9	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	5.7	[illegible]	[illegible]	[illegible]
Printing and publishing	8.7	8.6	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	6.3	[illegible]	.3	[illegible]
NONMANUFACTURING	325.6	323.8	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade, durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	77.8	77.1	[illegible]	.7	[illegible]
General merchandise stores	[illegible]	11.3	[illegible]	.3	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	17.4	17.5	16.9	[illegible]	[illegible]
Banking	4.3	4.3	4.2	[illegible]	[illegible]
Credit agencies other than banks	4.8	4.9	4.4	[illegible]	[illegible]
Insurance carriers	2.6	2.7	2.8	[illegible]	[illegible]
SERVICES	104.2	103.8	96.4	.4	7.8
Business services	24.5	24.3	22.2	.2	2.3
Health services	34.5	34.4	33.5	.1	1.0
Educational services	8.6	8.1	7.3	.5	1.3
GOVERNMENT	72.4	70.9	72.4	1.5	.0
Federal government	27.0	27.5	27.6	- .5	- .6
State government	7.0	6.1	6.5	.9	.5
State government education	4.3	3.4	3.9	.9	.4
State government, except education	2.7	2.7	2.6	.0	.1
Local government	38.4	37.3	38.3	1.1	.1
Local government education	24.3	23.0	24.1	1.3	.2
Local government, except education	14.1	14.3	14.3	- .2	- .2

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]	Oct. 1986[b]	Sep. 1986[c]	Oct. 1985[c]
MANUFACTURING	$501.54	$515.52	$509.50	41.9	42.9	42.6	$11.97	$12.04	$11.96
Durable Goods[e]	510.76	532.16	524.24	41.9	43.3	42.9	12.19	12.29	12.22
Fabricated metal products	386.26	367.54	358.90	41.4	40.3	40.1	9.33	9.12	8.95
Machinery, except electrical	538.90	568.76	561.48	42.5	44.4	43.9	12.68	12.81	12.79
Metalworking machinery	507.17	550.24	538.70	43.2	46.2	46.6	11.74	11.91	11.56
General industrial machinery	437.00	440.79	433.87	41.5	42.1	41.4	10.53	10.47	10.48
Electric and electronic equipment	390.43	402.86	392.04	42.3	43.6	42.2	9.23	9.24	9.29
Electrical industrial apparatus	470.37	487.76	433.59	44.5	45.5	43.1	10.57	10.72	10.06
Transportation equipment	605.07	642.25	637.73	41.7	43.3	43.8	14.51	14.83	14.56
Nondurable Goods	475.15	470.67	463.27	41.9	41.8	41.4	11.34	11.26	11.19
Food and kindred products	324.41	335.37	371.82	40.1	40.7	42.3	8.09	8.24	8.79
Paper and allied products	481.99	465.30	420.92	45.6	45.0	43.8	10.57	10.34	9.61
Printing and publishing	423.94	423.60	422.67	39.4	39.7	39.1	10.76	10.67	10.81
Rubber and misc. plastics products	593.46	584.44	588.47	41.1	41.1	41.5	14.44	14.22	14.18
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	540.27	531.15	536.51	40.5	40.3	40.4	13.34	13.18	13.28
WHOLESALE TRADE	398.86	391.38	380.88	40.7	40.1	41.4	9.80	9.76	9.20
RETAIL TRADE[h]	159.26	160.37	160.27	28.8	29.0	29.5	5.53	5.53	5.43

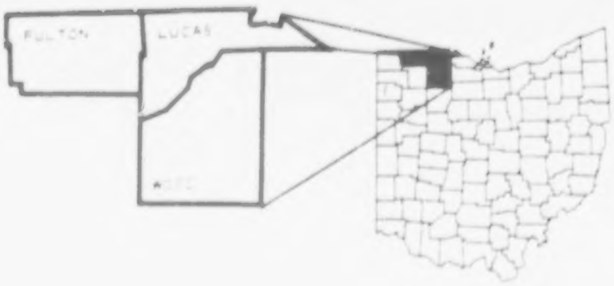
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1986	September 1986	October 1985
Employment Service Program			
New Applicants	2,869	2,514	4,376
Active File of Job Seekers	24,264	25,318	31,075
Referrals to Jobs	1,199	1,232	2,097
Placements	289	259	495
Job Openings Received	831	1,215	1,316
Job Openings Unfilled	1,433	1,644	1,894
Unemployment Insurance Program			
Initial Claims	3,010	3,044	5,273*
Continued Claims	24,057	22,825	27,720
First Payments	1,264	1,319	1,576
Last Payments	442	417	421
Weeks Compensated	20,054	17,290	20,530
Benefits Paid	$2,759,061	$2,344,041	$2,798,468
Average Weekly Payment	$140.53	$138.80	$138.99

*Revised

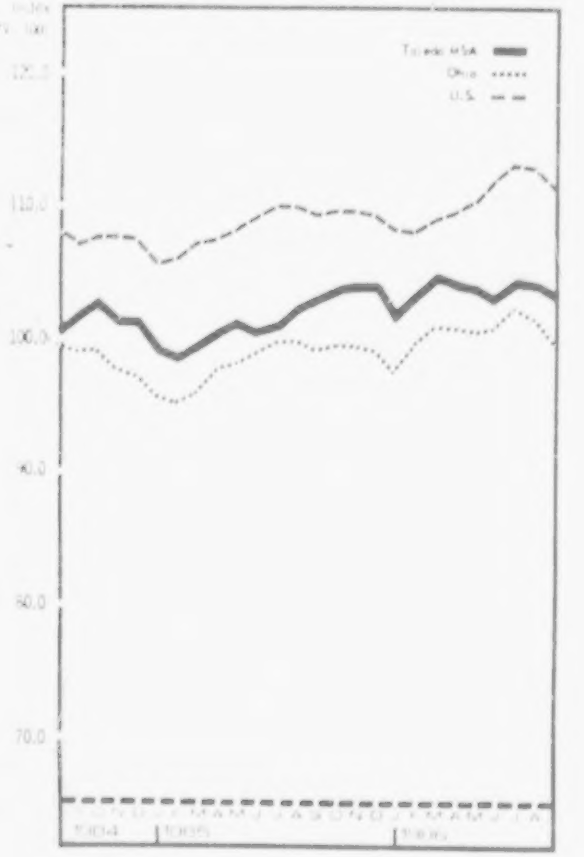
TOLEDO
METROPOLITAN STATISTICAL AREA



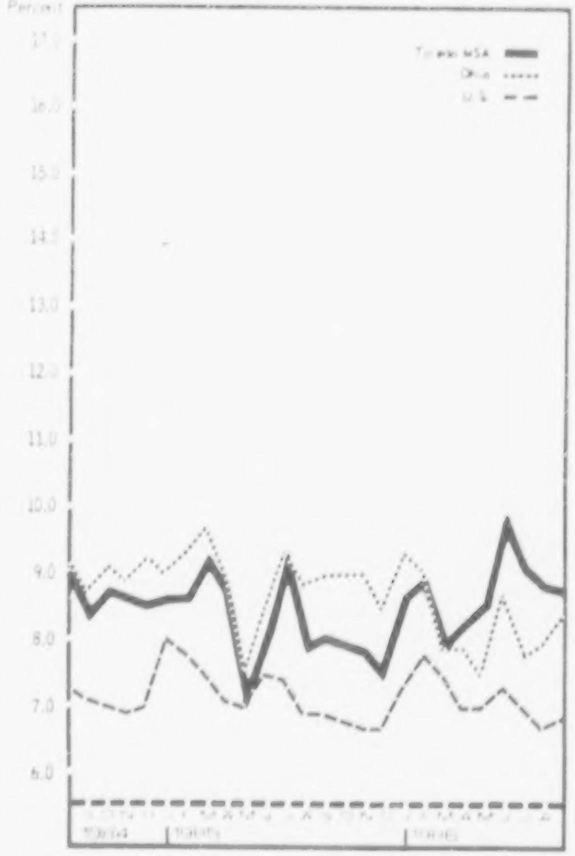
In October, Toledo's nonagricultural wage and salary employment rose 2,300, to 279,400. Most of the increase was in state government education and retail trade. Seasonal declines in food and kindred products lowered manufacturing employment to 62,400, down 1,300 from September. Average hourly earnings of production workers in manufacturing rose $.30, to $12.52 in October. Their average hourly workweek of 42.9 hours was up .3 hours.

Nonfarm wage and salary employment increased 7,800 from October 1985 to October 1986. All nonmanufacturing industries were up, with services and retail trade having the largest increases. Cutbacks in motor vehicles and equipment overshadowed gains in nondurable-goods industries, as manufacturing employment declined 4,100 over the year.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

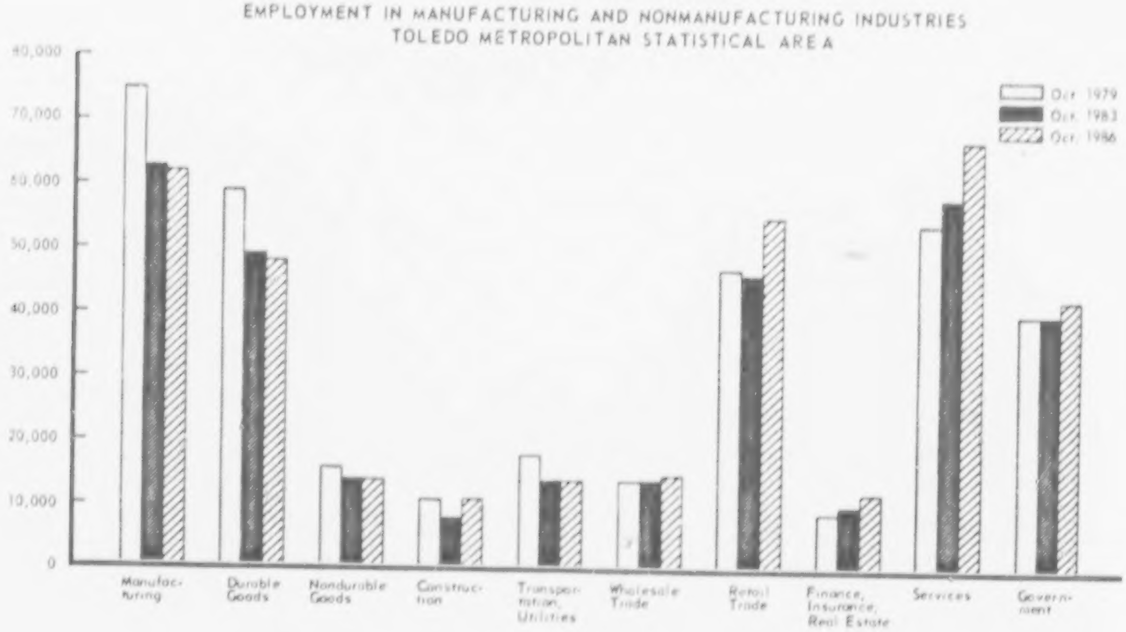


Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	241.0	70.9	INA	INA	INA	INA
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
295.5	271.3	24.2	8.2	1985	264.4	65.6	46.2	523.55	42.6	12.29
				1985						
299.1	275.2	23.9	8.0	September	269.8	68.0	48.6	536.80	43.1	12.45
301.4	277.7	23.7	7.9	October	271.7	68.5	47.0	537.03	43.0	12.51
301.7	278.1	23.6	7.8	November	273.2	66.2	46.8	531.15	42.8	12.41
300.4	278.2	22.2	7.4	December	274.2	66.2	46.7	537.84	43.2	12.45
				1986						
296.8	271.4	25.4	8.6	January	266.5	66.0	46.6	532.39	43.0	12.41
303.1	276.1	27.0	8.9	February	264.5	63.3	44.0	536.60	43.0	12.51
303.5	279.9	23.7	7.8	March	266.5	63.0	43.4	529.01	42.7	12.42
302.7	277.9	24.8	8.2	April	270.0	62.6	43.2	516.21	41.8	12.35
302.8	277.0	25.7	8.5	May	273.0	62.1	42.8	526.55	42.2	12.43
305.0	274.8	30.2	9.9	June	275.2	62.3	43.1	529.17	42.7	12.42
306.7	278.7	28.0	9.1	July	268.1	62.0	42.7	526.25	42.1	12.50
309.1	278.3	30.8	9.8	August	271.3	63.3	44.0	513.30	41.2	12.32
302.6	276.2	26.3	8.7	September	277.1	63.7	44.6	523.36	42.7	12.28
INA	INA	INA	INA	October	279.4	62.6	43.3	537.11	43.3	12.52

*INA Information not available



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1986[b]	September 1986[c]	October 1985[c]	From Last Month	From Last Year
TOTAL	273.4	271.1	271.7	2.3	[illegible]
MANUFACTURING	62.4	63.7	66.5	- 1.3	- 4.1
Durable Goods[e]	48.3	48.3	53.1	.0	- 4.7
Stone, clay, and glass products	8.7	8.7	8.9	.0	- .2
Primary metal industries	3.2	3.3	3.7	- .1	- .5
Fabricated metal products	7.8	7.9	8.0	- .1	- .2
Metal forgings and stampings	3.6	3.6	3.7	.0	- .1
Machinery, except electrical	6.0	6.0	6.2	.0	- .2
Electric and electronic equipment	2.8	2.8	3.0	.0	- .2
Transportation equipment	15.7	15.5	19.0	.2	- 3.3
Motor vehicles and equipment	14.8	14.6	18.2	.2	- 3.4
Nondurable Goods	14.0	15.4	13.4	- 1.4	.6
Food and kindred products	3.8	4.7	3.7	- [illegible]	.1
Rubber and misc. plastics products	7.2	7.2	6.9	.0	.3
NONMANUFACTURING	211.0	207.4	205.2	3.6	[illegible]
CONSTRUCTION	10.1	10.0	9.8	.1	.3
TRANSPORTATION AND PUBLIC UTILITIES	14.4	14.2	14.1	.2	.3
Trucking and warehousing	5.8	5.7	5.6	.1	.2
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
WHOLESALE TRADE	15.1	15.2	14.9	- .1	.2
Wholesale trade-durable goods	10.2	10.1	10.0	.1	.2
RETAIL TRADE	54.9	53.8	51.5	1.1	3.4
General merchandise stores	7.4	7.1	7.3	.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.6	10.4	.1	1.3
Banking	4.0	4.0	3.4	.0	.6
SERVICES	67.3	67.1	62.7	.2	4.6
Business services	12.7	12.6	11.3	.1	1.4
Health services	25.6	25.6	24.8	.0	.8
GOVERNMENT	42.5	40.3	41.5	2.2	1.0
State government	16.2	14.4	15.7	1.8	.5
State government education	12.3	10.4	11.9	1.9	.4
State government, except education	4.0	4.0	3.8	.0	.2
Local government	23.7	23.4	23.3	.3	.4
Local government education	13.9	13.4	13.4	.5	.5
Local government, except education	9.9	10.0	9.9	- .2	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]	Oct., 1986[b]	Sep., 1986[c]	Oct., 1985[c]
MANUFACTURING	$537.11	$524.36	$537.93	42.9	42.7	43.0	$12.52	$12.28	$12.51
Durable Goods[e]	556.84	595.58	562.40	42.9	43.1	43.5	12.98	[illegible]	12.93
Stone, clay and glass products	538.75	543.42	570.24	43.1	43.7	44.0	12.50	[illegible]	12.96
Primary metal industries	462.59	518.85	489.25	41.6	45.0	43.8	11.12	[illegible]	11.17
Fabricated metal products	531.91	531.36	485.63	43.0	43.2	42.5	12.37	12.30	[illegible]
Metal forgings and stampings	629.50	605.93	542.05	44.9	44.1	41.6	14.02	13.74	13.03
Machinery, except electrical	486.20	463.84	454.44	42.7	41.6	42.0	11.38	11.15	10.82
Electric and electronic equipment	578.37	574.60	508.39	44.8	44.2	41.4	12.91	[illegible]	12.28
Transportation equipment	659.48	646.72	655.56	43.3	43.0	44.4	15.23	15.04	[illegible]
Motor vehicles and equipment	662.06	649.73	666.66	43.3	43.0	44.4	15.29	15.11	[illegible]
Nondurable Goods[f]	462.64	431.80	421.08	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	622.41	484.34	455.73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	321.62	311.23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	617.87	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	354.28	352.38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	155.91	156.05	151.94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, [illegible] fixtures, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, [illegible] textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, [illegible] leather products. [g] Includes mining. [h] Money payments and tips. [illegible] Includes State universities. Excludes [illegible] service, agriculture research centers and the Ohio Department of Education. [illegible] Depressed due to labor management dispute.

Selected Administrative Program Activities

	[illegible]	[illegible]	[illegible]
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	1,311	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	930	878
Last Payments	[illegible]	490	329
Weeks Compensated	[illegible]	17,432	14,862
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

YOUNGSTOWN-WARREN

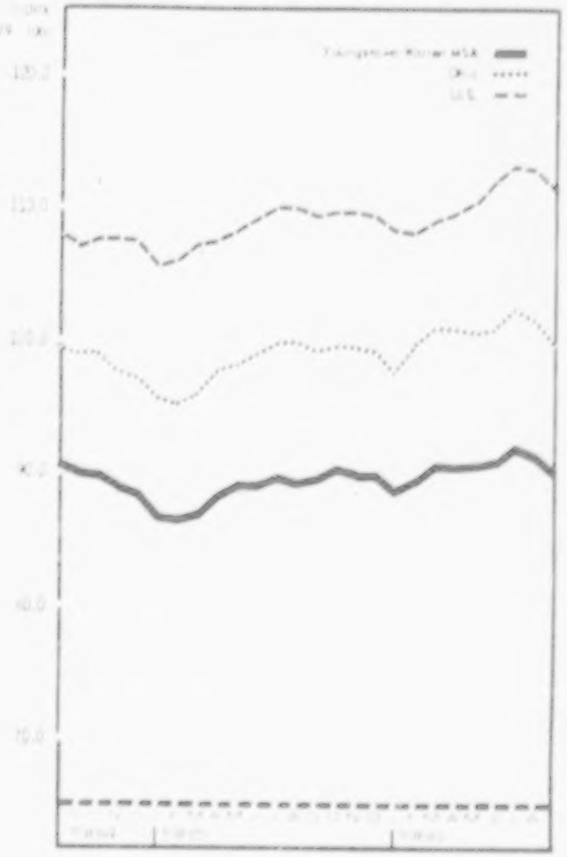
METROPOLITAN STATISTICAL AREA

TRUMBULL
MAHONING

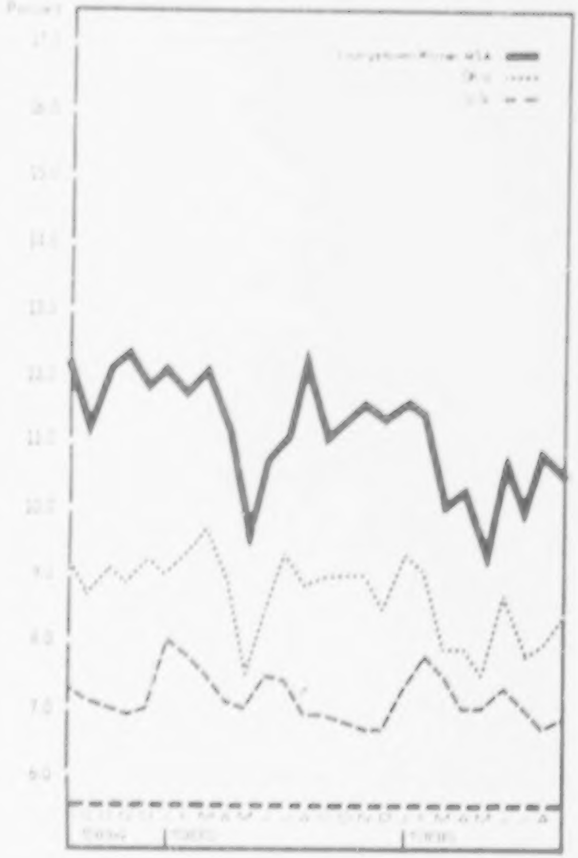
Nonagricultural wage and salary employment in the Youngstown-Warren MSA totaled 193,100, up 800 from September. Increases in state and local government education were partially offset by declines in services. Manufacturing employment advanced fractionally, to 52,200. Factory production workers earned an average of $13.15 per hour for a 41.4 hour workweek in October, down $.16 and .5 hours, respectively, from September.

Between October 1985 and October 1986, nonfarm payroll employment rose 5,300. Nonmanufacturing industries accounted for the gain, especially services and retail trade. Manufacturing employment fell 1,200 during the same period, due to losses in primary metal industries, nonelectrical machinery, and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employment	Unemployment Total	Unemployment Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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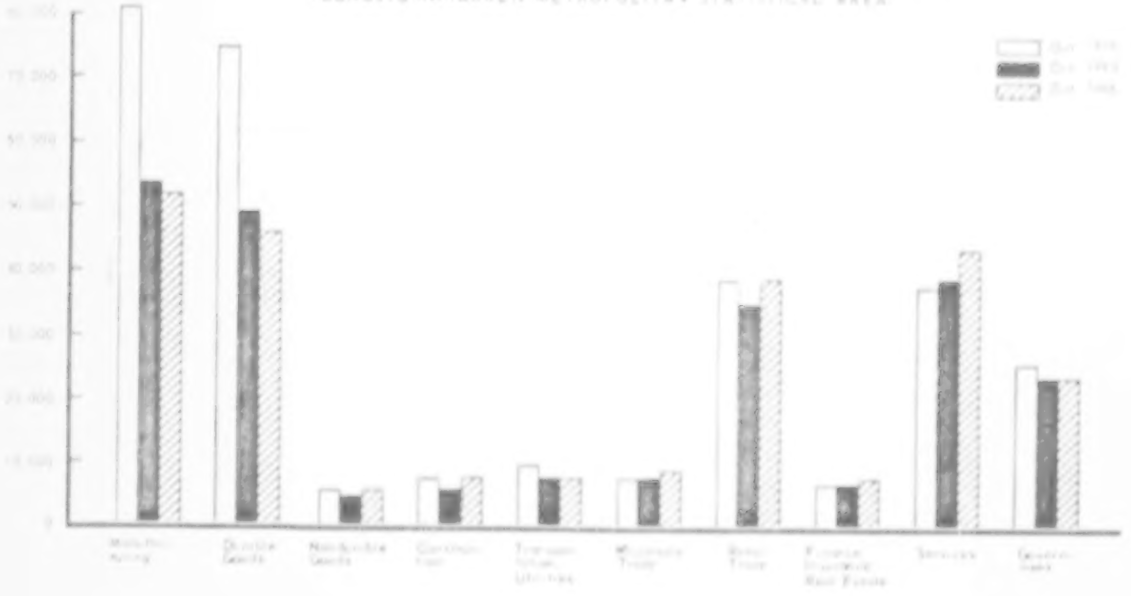
EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES:
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[3]

Youngstown-Warren MSA

	Employment (in thousands)			Change[2] (in thousands)	
	October 1986[1]	September 1986[1]	October 1985[1]	From Last Month	From Last Year
TOTAL	193.1	192.4	187.8	.8	5.3
MANUFACTURING	52.2	52.1	51.3	.1	1.2
Durable Goods[4]	46.4	46.4	45.7	- .1	1.0
Primary metal industries	23.2	23.4	23.8	- .2	- .5
Blast furnace and basic steel products	6.7	6.8	5.8	- .1	.1
Fabricated metal products	7.8	7.6	7.7	.2	.4
Machinery except electrical	3.2	3.3	3.7	.1	.4
Electric and electronic equipment	2.5	2.6	2.5	.1	.7
Transportation equipment	9.8	9.7	9.3	.2	.4
Nondurable Goods	5.8	5.8	5.4	.0	.4
NONMANUFACTURING	141.0	140.3	136.5	.7	4.5
CONSTRUCTION	8.0	8.1	7.4	- .1	.6
TRANSPORTATION AND PUBLIC UTILITIES	8.2	8.1	7.7	.1	.5
Communication, electric, gas services	3.0	3.0	3.1	.0	.0
WHOLESALE TRADE	9.1	9.1	9.0	.0	.1
Wholesale trade-durable goods	5.1	5.1	5.1	.0	.0
RETAIL TRADE	35.8	35.7	34.4	.1	1.4
General merchandise stores	5.8	5.5	5.9	.3	- .1
FINANCE, INSURANCE, AND REAL ESTATE	7.9	7.9	7.5	.0	.4
Banking	2.6	2.6	2.5	.1	.1
SERVICES	44.4	44.3	41.2	.1	3.2
Health services	18.4	18.4	17.8	.0	.6
GOVERNMENT	21.7	20.5	21.3	1.2	.4
State government	3.8	3.1	3.7	.7	.1
State government education	2.3	1.6	2.2	.7	.1
State government except education	1.5	1.5	1.5	.0	.0
Local government	17.9	17.4	17.7	.5	.2
Local government education	11.4	10.8	11.4	.6	.0
Local government except education	6.5	6.6	6.3	- .1	.2

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[1]

	Average Weekly Earnings			Average Weekly Hours			Average [illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] [illegible]

Selected Administrative Program Activities

	[illegible]	[illegible]	[illegible]
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over employed or unemployed during week including 12th of month distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to a job or waiting to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers under cooperative arrangement with U.S. Bureau of Labor Statistics. Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated into national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual, U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977, used for classification.

Coverage.—Monthly reports on employment and other information [illegible] obtained from approximately [illegible] [illegible].

[illegible] Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	[illegible]
Manufacturing	60
Nonmanufacturing	[illegible]
Mining	[illegible]
Construction	[illegible]
Transportation and Public Utilities	43
Wholesale Trade	[illegible]
Retail Trade	27
Finance, Insurance and Real Estate	44
Services and Miscellaneous	21
Government	[illegible]

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month. Distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full time teachers considered employed during the summer vacation period whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months as follows:

$$\text{Current Employment Estimate} = \text{Prior Employment Estimate} \times \frac{\text{Sample Employment Current Month}}{\text{Sample Employment Previous Month}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1985 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Civilian Labor Force and Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed. For methodology, see January 1986 issue.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours, from which average hours and earnings data are derived, follow.

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial, and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, linemen, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), fringe pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind excluded.

Hours.—Represents hours worked or paid for during pay periods which include 12th of month for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	October 1986	September 1986	October 1985
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Counseling Interviews	[illegible]	[illegible]	[illegible]
Tests Administered	[illegible]	[illegible]	[illegible]
General Aptitude Tests	[illegible]	[illegible]	[illegible]
Proficiency Tests	[illegible]	[illegible]	[illegible]
Specific Aptitude Tests	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]

Selected Unemployment Insurance Activities

	October 1986	September 1986	October 1985
Initial Claims	64,025	72,081	68,175
Continued Claims	447,344	408,594	461,867
First Payments	27,100	18,896	21,366
Last Payments	7,123	7,224	7,787
Average Weekly Claimants	94,674	92,434	96,356
Average Weekly Benefit Recipients	70,787	73,029	77,356
Weeks Compensated	357,975	296,186	363,417
Benefits Paid	$53,187,183	$42,933,166	$53,009,281*
Average Weekly Payment	$152.46	$148.77	$149.82
Continued Claims for Survey Week	96,893	90,358	97,375
Insured Unemployment Rate	2.3	2.2	2.4
Net Contributions	$51,220,629	$4,977,117	$47,554,938
Active Employer Accounts	193,052	193,539	189,817

*Revised

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 466-8806.

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Ohio
Labor
Market
Information

Labor Market Review

November 1986

Summary. According to the latest household survey, the seasonally adjusted unemployment rate in Ohio fell to 7.2 percent in November, the lowest it has been since March 1980. The national rate, at 7.0 percent, was unchanged from October. Ohio's civilian labor force rose 1.2 percent, to 5,266,000. Total employment increased by 84,000 workers, to 4,887,000. There were 22,000 fewer jobless Ohioans in November, lowering the number of unemployed to 379,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio rose 23,000 from October to 4,559,000 in November, according to the latest employer survey. Significant gains occurred in both the manufacturing and nonmanufacturing sectors. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio totaled 1,096,000 in November, up 10,000 from October. Much of the gain was due to settlement of labor-management disputes in nonelectrical machinery, primary metals, and stone, clay, and glass products.

Nonmanufacturing. Nonmanufacturing employment increased 13,000 from October, to 3,463,000 in November. All major divisions had greater employment, except mining, which was unchanged. Employment in services was up 6,000.

Over the Year. Ohio's civilian labor force rose by 85,000 from November 1985 to November 1986. Total employment advanced 164,000, while the number of unemployed workers fell 79,000. The unemployment rate dropped from 8.8 percent to 7.2 percent during the period. The U.S. rate remained constant, at 7.0 percent. Nonfarm employment in Ohio was up 129,000 from November 1985. Gains in services and retail trade accounted for nearly nine-tenths of the increase. Declines in durable goods lowered manufacturing employment 23,000.

Factory Hours and Earnings. Production workers in manufacturing industries earned an average of $495.86 per week in November, up $12.33 from October. Their average workweek of 42.6 hours was up .7 hours. Nearly all industries had higher earnings. The most significant were motor vehicles and equipment, metal forgings and stampings, and aircraft and parts.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 67,691 in November, up 5.7 percent from October, but down 14.3 percent from November 1985. Total benefits paid, at $45.0 million, declined 15.3 percent over the month. The average weekly benefit check fell $2.11, to $150.35, while the average weekly number of benefit recipients increased 6,532, to 77,319. At the end of November, there were 193,478 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 37,778 new job applicants in November, down 20.3 percent from October. There were 8,392 job openings received from employers, down 40.4 percent from last month. The Employment Services Division made 18,938 job referrals and 5,775 placements.

BANK ON OBES

Are you having difficulty locating the workers you need? You might be able to solve this problem by putting your job openings in the National Job Bank System through the Ohio Bureau of Employment Services (OBES).

A few facts about the National Job Bank System:

- It is part of the largest computerized network of job openings in the United States.
- It operates on three levels to fill your need for workers: locally, statewide and interstate-wide.
- It can provide national exposure of your job order without cost to you.

For further information, contact your nearest OBES office.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Nov. 1986	Oct. 1986	Nov. 1985	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,266	5,206	[illegible]	60	[illegible]	[illegible]	[illegible]
Employment	4,887	4,805	[illegible]	82	106	[illegible]	[illegible]
Unemployment	379	401	[illegible]	-22	[illegible]	[illegible]	[illegible]
Unemployment Rate	7.2	[illegible]	8.4				
Employer Survey Data[e]							
Total	4,559	4,536	4,430	24	[illegible]	[illegible]	[illegible]
Manufacturing	1,096	1,085	1,121	10	[illegible]	[illegible]	[illegible]
Durable Goods	745	735	765	9	[illegible]	[illegible]	[illegible]
Nondurable Goods	351	350	356	1	[illegible]	[illegible]	[illegible]
Nonmanufacturing	3,463	3,450	3,309	13	[illegible]	[illegible]	[illegible]
Mining	26	26	30	0	[illegible]	[illegible]	[illegible]
Construction	167	165	159	2	8	0.8	[illegible]
Transportation and Public Utilities	207	206	203	1	4	[illegible]	[illegible]
Wholesale Trade	237	236	230	1	7	[illegible]	[illegible]
Retail Trade	852	850	806	2	46	[illegible]	[illegible]
Finance, Insurance and Real Estate	233	232	222	1	11	0.3	5.0
Services	1,044	1,038	975	6	69	0.6	7.0
Government	680	679	670	1	10	0.2	[illegible]
Goods Producing Industries[f]	1,286	1,275	1,304	12	-17	0.9	[illegible]
Service Producing Industries[g]	3,272	3,261	3,127	11	146	0.3	[illegible]

[a] Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates*

Ohio Civilian Labor Force Estimates

(In thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1984
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	November
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	December
					1985
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	January
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	February
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	March
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	April
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	May
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	June
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	July
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	August
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	October
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	November
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	December
					1986
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	January
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	February
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	March
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	April
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	May
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	June
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	July
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	August
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	September
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	October
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	November

Ohio Nonagricultural Wage & Salary Employment

(In thousands)

	[illegible]			
		[illegible]		
			[illegible]	[illegible]
1984				
November	[illegible]	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]	[illegible]
1985				
January	[illegible]	[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]	[illegible]
August	[illegible]	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]
November	[illegible]	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]	[illegible]
1986				
January	[illegible]	[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]	[illegible]
August	[illegible]	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]	[illegible]
November	[illegible]	[illegible]	[illegible]	[illegible]

Ohio Nonmanufacturing Wage & Salary Employment

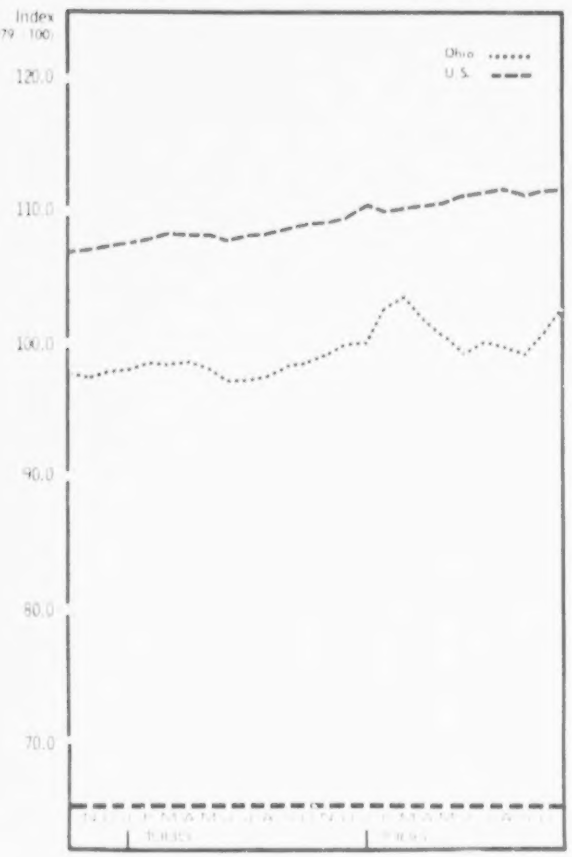
(In thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1984				
[illegible]	27	[illegible]	201	[illegible]	November	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	December	[illegible]	[illegible]	[illegible]	[illegible]
					1985				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	January	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	February	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	March	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	April	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	May	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	[illegible]	[illegible]	[illegible]	June	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	153	[illegible]	[illegible]	July	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	[illegible]	[illegible]	[illegible]	August	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	155	202	[illegible]	September	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	156	[illegible]	[illegible]	October	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	[illegible]	203	[illegible]	November	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	26	[illegible]	[illegible]	251	December	[illegible]	[illegible]	984	[illegible]
					1986				
[illegible]	[illegible]	160	[illegible]	252	January	830	223	991	[illegible]
3,386	26	159	202	253	February	834	226	[illegible]	[illegible]
3,385	26	158	204	[illegible]	March	828	226	[illegible]	[illegible]
3,388	26	161	203	253	April	831	226	1004	[illegible]
3,400	25	162	203	253	May	834	227	1018	[illegible]
3,407	24	162	199	254	June	837	228	1021	[illegible]
3,412	26	163	202	254	July	839	230	1026	[illegible]
3,426	26	163	204	255	August	842	230	1030	[illegible]
3,415	24	165	205	255	September	843	231	1033	[illegible]
3,430	24	165	206	256	October	850	232	1038	[illegible]
3,443	24	167	207	257	November	852	233	1044	[illegible]

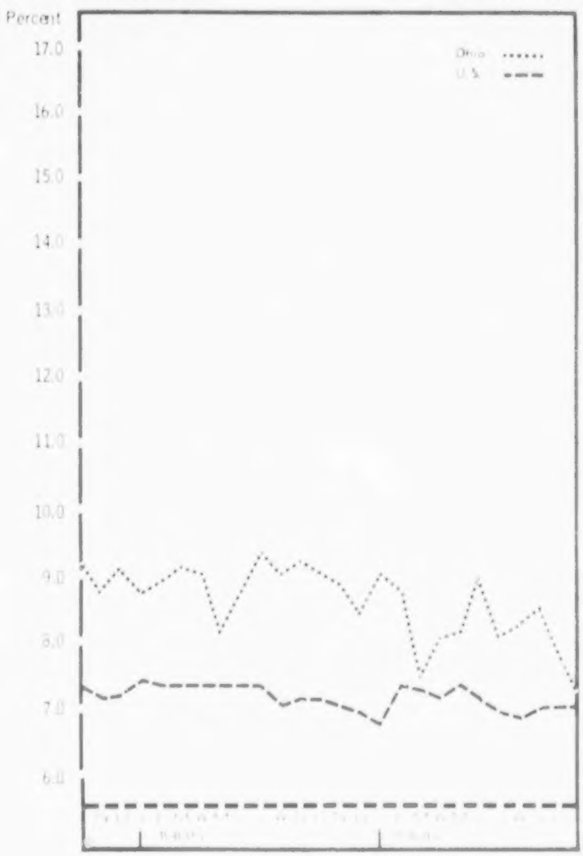
---

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 8. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

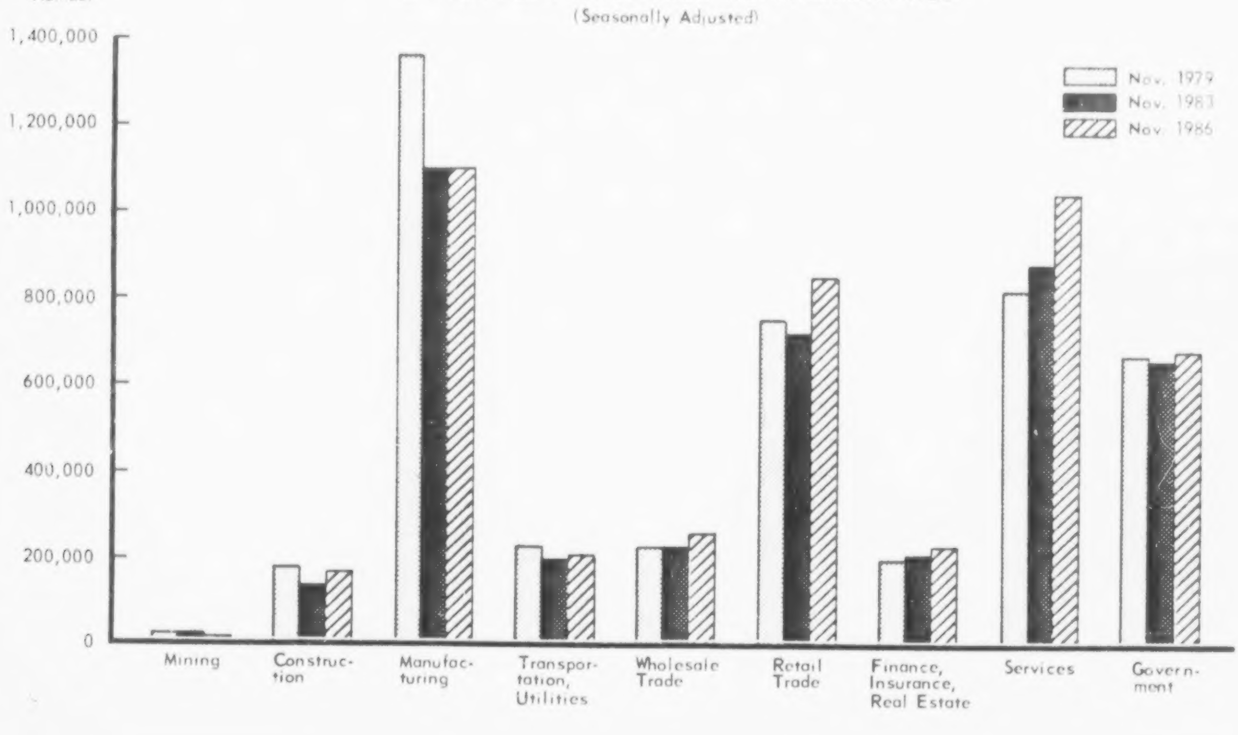
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,723	4,294	429	9.1	8.5	1975
4,751	4,380	370	7.8	7.7	1976
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,130	4,675	455	8.9	7.2	1985
					1985
5,200	4,734	466	9.0	6.7	November
5,156	4,721	436	8.5	6.7	December
					1986
5,121	4,647	474	9.1	7.3	January
5,212	4,740	472	9.1	7.8	February
5,226	4,812	414	7.9	7.5	March
5,217	4,804	413	7.9	7.0	April
5,180	4,791	389	7.5	7.0	May
5,259	4,802	457	8.7	7.3	June
5,287	4,875	412	7.8	7.0	July
5,255	4,832	422	8.0	6.7	August
5,184	4,750	434	8.4	6.8	September
5,259	4,851	408	7.8	6.6	October
5,279	4,891	388	7.3	6.6	November

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1975	4,016.2	1,267.5	897.4	[illegible]
1976	4,094.9	1,295.3	911.6	[illegible]
1977	4,230.1	1,344.1	945.2	[illegible]
1978	4,394.9	1,377.2	975.5	[illegible]
1979	4,494.8	1,392.3	[illegible]	[illegible]
1980	4,367.4	1,264.3	[illegible]	[illegible]
1981	4,317.7	1,232.6	[illegible]	[illegible]
1982	4,124.1	1,099.6	[illegible]	[illegible]
1983	4,092.5	1,066.0	[illegible]	[illegible]
1984	4,260.2	1,127.0	[illegible]	[illegible]
1985	4,378.6	1,123.1	[illegible]	[illegible]
1985				
November	4,473.1	1,123.1	[illegible]	[illegible]
December	4,483.7	1,123.6	[illegible]	[illegible]
1986				
January	4,393.4	1,119.4	[illegible]	[illegible]
February	4,387.1	1,114.2	[illegible]	[illegible]
March	4,418.6	1,111.9	759.1	[illegible]
April	4,481.6	1,110.8	[illegible]	[illegible]
May	4,533.2	1,105.7	[illegible]	[illegible]
June	4,549.1	1,109.3	748.1	[illegible]
July	4,515.6	1,096.8	746.5	[illegible]
August	4,526.0	1,098.5	744.4	[illegible]
September	4,570.1	1,100.3	743.9	[illegible]
October	4,584.4	1,089.2	737.4	[illegible]
November	4,603.9	1,097.9	746.0	[illegible]

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
2,748.7	26.8	154.9	213.2	203.5	1975	664.5	173.1	686.3	626.4
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.4
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.3	772.1	667.3
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	673.9
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	835.9	684.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	675.9
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.0
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,255.5	26.4	154.1	202.5	246.5	1985	789.8	218.3	953.3	664.6
					1985				
3,350.0	26.6	166.6	204.3	250.9	November	821.9	221.2	974.6	683.9
3,360.1	26.2	155.7	204.4	251.2	December	838.7	221.6	976.5	[illegible]
					1986				
3,274.0	25.9	134.9	199.3	249.5	January	802.2	221.3	965.7	675.2
3,272.9	25.4	129.8	199.4	249.4	February	790.3	222.0	972.0	684.6
3,306.7	24.9	135.7	200.4	251.2	March	801.3	223.0	982.1	688.1
3,370.8	25.0	150.9	202.6	253.1	April	821.4	225.1	1,005.4	687.3
3,427.5	25.1	162.5	203.9	254.5	May	836.8	227.4	1,024.9	692.4
3,439.8	25.0	170.8	200.3	255.8	June	843.2	229.9	1,037.9	677.0
3,418.8	25.1	178.2	204.4	255.9	July	843.8	232.5	1,038.1	640.8
3,427.5	24.8	182.0	206.2	256.6	August	850.1	232.8	1,039.8	635.3
3,469.8	24.5	182.9	207.1	256.3	September	853.1	231.7	1,047.0	667.2
3,495.2	24.4	183.2	207.7	256.9	October	857.7	231.7	1,044.4	689.0
3,506.0	24.5	177.3	207.8	257.4	November	868.6	232.3	1,043.0	695.0

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment

(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,267.5	892.4	375.1	1975
1,295.3	910.6	384.6	1976
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,123.1	769.1	354.0	1985
			1985
1,123.1	768.2	354.9	November
1,123.6	769.5	354.1	December
			1986
1,119.3	766.7	352.7	January
1,114.2	761.2	353.0	February
1,111.9	759.1	352.7	March
1,110.8	759.6	351.2	April
1,105.7	753.8	351.9	May
1,109.3	756.1	353.2	June
1,096.8	746.5	350.3	July
1,098.5	744.4	354.1	August
1,100.3	743.9	356.4	September
1,089.2	737.4	351.9	October
1,097.9	746.0	351.9	November

Production Workers in Manufacturing

	Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1975	897.8	$201.9	[illegible]
1976	926.1	[illegible]	[illegible]
1977	958.0	[illegible]	[illegible]
1978	985.5	[illegible]	[illegible]
1979	979.0	[illegible]	[illegible]
1980	867.8	[illegible]	[illegible]
1981	847.7	[illegible]	[illegible]
1982	735.7	[illegible]	[illegible]
1983	721.6	[illegible]	[illegible]
1984	781.5	[illegible]	[illegible]
1985	771.4	[illegible]	[illegible]
1985			
November	772.9	[illegible]	[illegible]
December	773.5	[illegible]	[illegible]
1986			
January	769.1	[illegible]	[illegible]
February	764.1	[illegible]	[illegible]
March	762.5	[illegible]	[illegible]
April	761.7	[illegible]	[illegible]
May	757.0	[illegible]	[illegible]
June	758.9	[illegible]	[illegible]
July	745.8	[illegible]	[illegible]
August	747.8	[illegible]	[illegible]
September	750.7	[illegible]	[illegible]
October	740.7	[illegible]	[illegible]
November	750.2	[illegible]	[illegible]

Production Workers
Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
[illegible]	$228.90	$211.85	1975
[illegible]	258.75	235.00	1976
[illegible]	292.02	258.34	1977
[illegible]	316.83	279.30	1978
[illegible]	335.30	297.78	1979
[illegible]	358.57	319.99	1980
[illegible]	401.64	358.16	1981
[illegible]	414.80	378.95	1982
[illegible]	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
			1985
487.18	508.22	434.93	November
500.52	526.44	439.10	December
			1986
488.25	511.70	434.51	January
488.68	512.90	432.41	February
488.25	512.48	433.46	March
481.54	504.71	426.59	April
480.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	438.19	July
[illegible]	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
495.86	517.37	448.37	November

Production Workers
Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
40.3	40.3	40.2	1975
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
			1985
42.4	42.6	41.7	November
43.0	43.4	42.1	December
			1986
42.2	42.5	41.7	January
42.2	42.6	41.3	February
42.2	42.6	41.4	March
41.8	42.2	40.9	April
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.1	November

Production Workers
Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1975	$5.5[illegible]	[illegible]	[illegible]
1976	6.10	[illegible]	[illegible]
1977	6.74	[illegible]	[illegible]
1978	7.26	[illegible]	[illegible]
1979	7.84	8.06	[illegible]
1980	8.57	[illegible]	[illegible]
1981	9.53	[illegible]	[illegible]
1982	10.0[illegible]	[illegible]	[illegible]
1983	10.5[illegible]	[illegible]	[illegible]
1984	10.96	[illegible]	[illegible]
1985	11.38	[illegible]	[illegible]
1985			
November	[illegible]	[illegible]	[illegible]
December	11.64	[illegible]	[illegible]
1986			
January	11.57	[illegible]	[illegible]
February	11.58	[illegible]	[illegible]
March	11.57	[illegible]	[illegible]
April	11.52	11.96	[illegible]
May	11.49	11.90	[illegible]
June	11.50	11.90	[illegible]
July	11.49	11.86	[illegible]
August	11.49	11.90	[illegible]
September	11.52	11.93	[illegible]
October	11.54	11.93	[illegible]
November	11.64	12.06	[illegible]

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

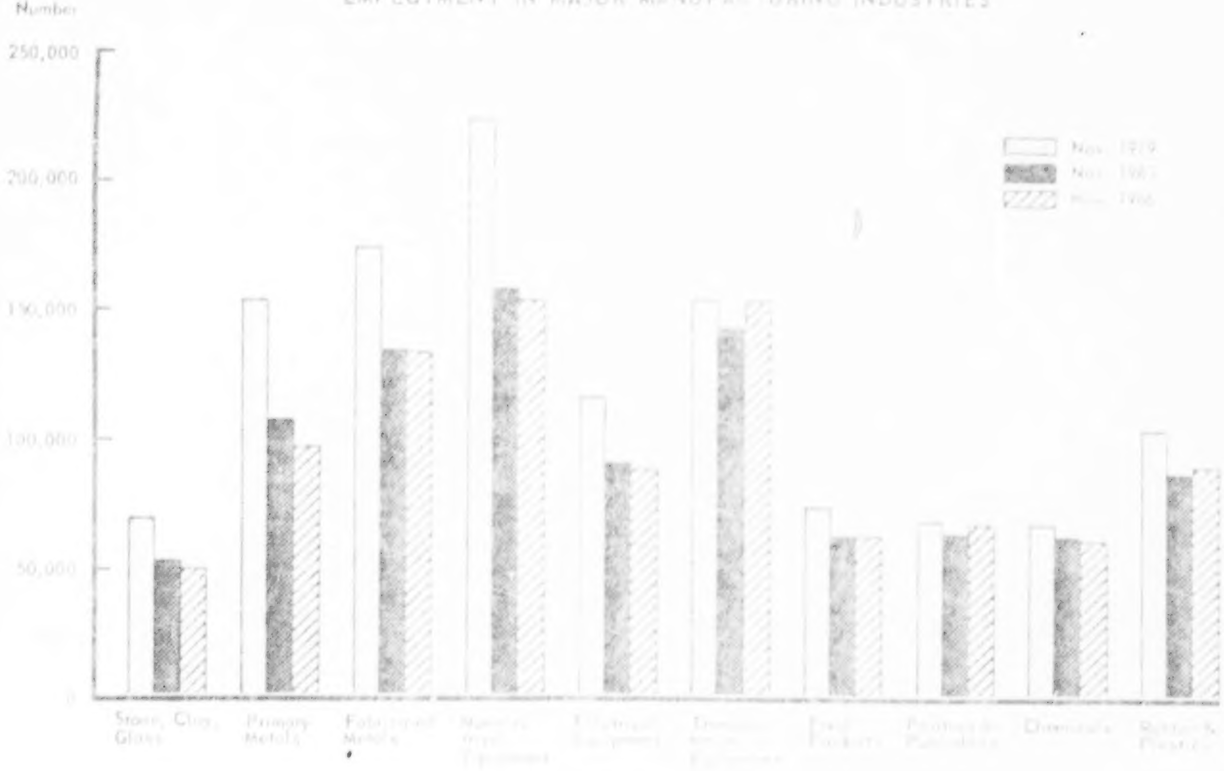
	Stone Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastic Products
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	[illegible]
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.3	[illegible]
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	[illegible]
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	[illegible]
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	[illegible]
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	[illegible]
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	[illegible]
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	62.2	[illegible]
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	[illegible]
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	[illegible]
1985	50.4	102.7	138.9	166.2	90.5	151.7	62.7	66.6	[illegible]
1985									
November	51.0	101.3	138.6	162.9	88.1	157.2	62.9	67.5	[illegible]
December	49.8	102.7	137.3	163.4	89.0	158.3	63.0	67.6	[illegible]
1986									
January	49.3	103.0	136.6	163.0	89.1	157.9	62.6	67.3	[illegible]
February	48.7	102.8	136.0	160.7	88.2	156.3	62.4	67.1	[illegible]
March	48.6	102.6	136.7	160.2	87.7	154.2	62.3	67.3	[illegible]
April	50.0	102.5	136.2	159.7	88.4	153.3	61.6	67.3	[illegible]
May	50.0	101.7	135.8	158.6	87.7	149.7	62.8	67.3	[illegible]
June	50.5	100.3	135.9	158.2	87.7	152.8	63.5	67.3	[illegible]
July	50.3	96.9	133.6	156.8	87.1	152.3	63.8	67.3	[illegible]
August	50.6	94.8	133.7	156.1	88.4	150.0	67.1	67.3	[illegible]
September	50.4	92.9	135.3	156.0	88.1	150.1	67.5	67.6	[illegible]
October	48.5	93.8	134.1	150.5	88.1	151.4	63.9	67.7	[illegible]
November	49.6	96.6	134.4	154.0	88.1	152.9	63.1	67.8	[illegible]

Average Weekly Earnings of Production Workers

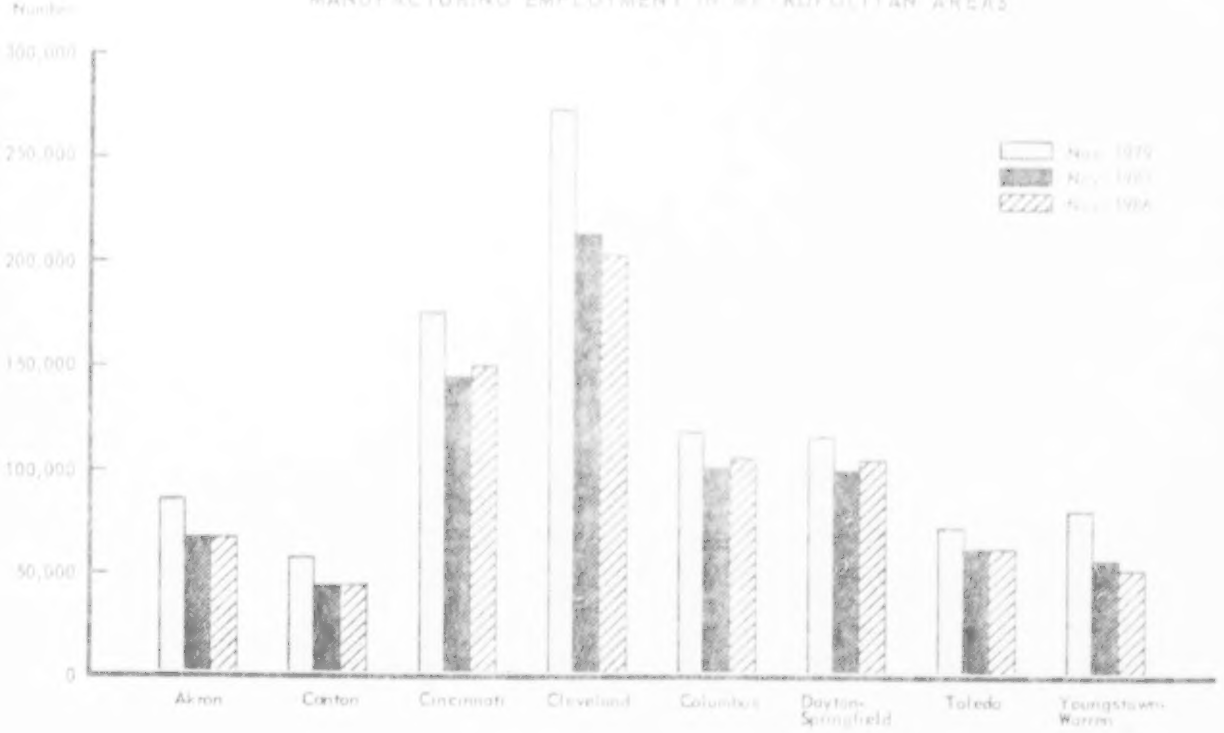
	Stone Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastic Products
1975	$207.55	$256.46	$224.96	$228.25	$201.30	$263.22	$222.68	$226.95	[illegible]
1976	232.40	294.58	256.68	253.37	221.54	302.87	242.92	[illegible]	[illegible]
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	[illegible]	[illegible]
1978	276.81	366.24	307.23	306.16	268.45	389.66	281.15	283.18	[illegible]
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.12	[illegible]
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	[illegible]
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	[illegible]	[illegible]
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	[illegible]
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	373.62	[illegible]
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.20	[illegible]
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	[illegible]
1985									
November	441.21	549.67	496.93	476.72	449.77	648.70	404.33	411.08	[illegible]
December	441.60	565.30	519.50	489.46	466.99	677.37	405.87	424.51	[illegible]
1986									
January	437.22	555.59	500.65	480.11	454.30	649.52	405.32	403.37	[illegible]
February	434.84	561.19	496.18	483.51	460.06	652.24	402.98	400.62	[illegible]
March	446.37	550.78	506.32	489.20	459.80	644.67	395.39	408.67	[illegible]
April	444.11	546.40	495.01	482.22	452.79	632.60	399.10	398.91	[illegible]
May	446.37	547.80	486.36	481.20	451.28	620.54	419.67	407.33	[illegible]
June	443.36	546.89	494.06	483.07	450.58	616.40	417.91	402.80	[illegible]
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	[illegible]
September	447.62	559.68	494.38	485.41	464.88	629.31	420.33	417.40	[illegible]
October	447.44	563.50	488.36	482.58	456.77	610.76	426.72	418.95	[illegible]
November	438.70	581.52	502.04	492.33	471.75	645.47	422.18	429.74	[illegible]

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[a] (in thousands)	
	November [illegible]	October [illegible]	November [illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	18.8	19.1	17.8	.4	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	173.4	174.1	[illegible]	[illegible]	[illegible]
Cutlery, hand tools, and hardware	[illegible]	[illegible]	11.7	[illegible]	[illegible]
Fabricated structural metal products	29.4	29.8	28.7	[illegible]	[illegible]
Metal forgings and stampings	41.9	41.9	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	14.8	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Office and computing machines	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Refrigeration and service machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	99.1	99.1	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	15.7	15.7	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	17.2	17.1	[illegible]	[illegible]
Electric lighting and wiring equipment	17.1	17.2	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	152.4	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	102.3	.4	[illegible]
Aircraft and parts	47.4	47.7	46.1	- .3	1.3
Instruments and related products	22.8	22.9	23.3	- .1	- .5
Measuring and controlling devices	12.8	12.8	12.4	- .0	.4
Nondurable Goods	351.4	351.6	354.1	.2	- 3.[illegible]
Food and kindred products	63.2	63.4	62.6	- .2	.6
Meat products	10.1	9.4	10.2	.7	.1
Dairy products	9.6	9.7	9.9	.1	- .3
Preserved fruits and vegetables	10.7	11.4	10.7	- .7	.0
Bakery products	8.9	8.9	8.7	- .0	.2
Beverages	10.2	10.3	10.1	- .1	.1
Apparel and other textile products	16.9	16.7	17.2	.2	- .3
Paper and allied products	36.5	36.2	36.9	.3	- .4
Misc. converted paper products	12.1	12.1	12.1	.0	.0
Paperboard containers and boxes	11.8	11.6	11.9	.2	- .1
Printing and publishing	67.8	67.7	67.1	.1	.7
Newspapers	19.0	18.9	19.0	.1	.0
Commercial printing	26.0	26.2	25.7	- .2	.3
Chemicals and allied products	61.3	61.3	61.6	.0	- .3
Industrial inorganic chemicals	9.5	9.5	9.6	.0	- .1
Rubber and misc. plastics products	89.6	89.1	91.7	.5	- 2.1
Tires and inner tubes	18.2	18.2	19.1	.0	- .9
Miscellaneous plastics products	52.2	51.8	52.4	.4	- .2

See footnotes on page 13

Ohio (continued)

Nonagricultural Wage & Salary Employment[9]

	Employment			Change	
	[illegible]	[illegible]	[illegible]	From Last Month	From Last Year
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MINING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bituminous coal and lignite mining	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Oil and gas extraction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General building contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Heavy construction contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Highway and street construction	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special trade contractors	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Railroad transportation	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation except railroads	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric, gas, and sanitary services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles & automotive equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, equipment, and supplies	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade nondurable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Groceries and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Department stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Automotive dealers & service stations	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and accessory stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eating and drinking places	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Credit agencies other than banks	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Life insurance	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fire, marine, and casualty insurance	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hotels and other lodging places	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Personal services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Laundry, cleaning, & garment services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Services to buildings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Computer and data processing services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amusement and recreation services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	348.1	[illegible]	[illegible]	[illegible]	[illegible]
Nursing and personal care facilities	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hospitals	[illegible]	[illegible]	166.0	[illegible]	[illegible]
Educational services	68.6	68.2	67.2	[illegible]	[illegible]
Colleges and universities	40.9	[illegible]	37.9	[illegible]	[illegible]
GOVERNMENT	695.0	[illegible]	683.9	[illegible]	[illegible]
Federal government	92.2	[illegible]	92.3	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government education	84.8	82.8	82.5	[illegible]	[illegible]
State government, except education	71.2	71.3	68.7	[illegible]	[illegible]
Local government	[illegible]	442.7	440.5	[illegible]	[illegible]
Local government education	262.7	258.8	[illegible]	[illegible]	[illegible]
Local government, except education	[illegible]	183.8	[illegible]	[illegible]	1.4

See footnotes on page 13

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lumber and wood products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furniture and fixtures	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nonferrous rolling and drawing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cutlery, hand tools, and hardware	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Office and computing machines	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Refrigeration and service machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Household appliances	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric lighting and wiring equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Aircraft and parts	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40.3	[illegible]	[illegible]	[illegible]
Meat products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dairy products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41.3	[illegible]	[illegible]	[illegible]
Preserved fruits and vegetables	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bakery products	[illegible]	[illegible]	435.88	[illegible]	38.9	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	37.8	37.9	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	44.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Misc. converted paper products	481.83	460.27	427.06	44.3	[illegible]	43.4	[illegible]	[illegible]	[illegible]
Paperboard containers and boxes	[illegible]	[illegible]	402.46	43.5	44.4	42.1	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	418.95	401.28	40.2	39.9	39.3	10.89	[illegible]	[illegible]
Newspapers	364.84	357.78	341.54	35.5	34.8	34.4	10.28	[illegible]	[illegible]
Commercial printing	435.45	432.40	418.29	42.4	40.5	[illegible]	10.27	10.47	[illegible]
Chemicals and allied products	[illegible]	512.05	504.71	42.1	[illegible]	42.2	[illegible]	[illegible]	[illegible]
Industrial inorganic chemicals	553.79	553.84	572.88	41.7	41.2	43.4	[illegible]	13.37	[illegible]
Rubber and misc. plastics products	448.47	443.23	437.88	43.2	43.7	42.7	[illegible]	[illegible]	10.26
Tires and inner tubes	634.24	635.51	599.42	45.4	[illegible]	44.8	[illegible]	[illegible]	13.34
Miscellaneous plastics products	434.59	429.40	427.55	43.2	[illegible]	42.8	10.06	[illegible]	[illegible]

See footnotes on page 13

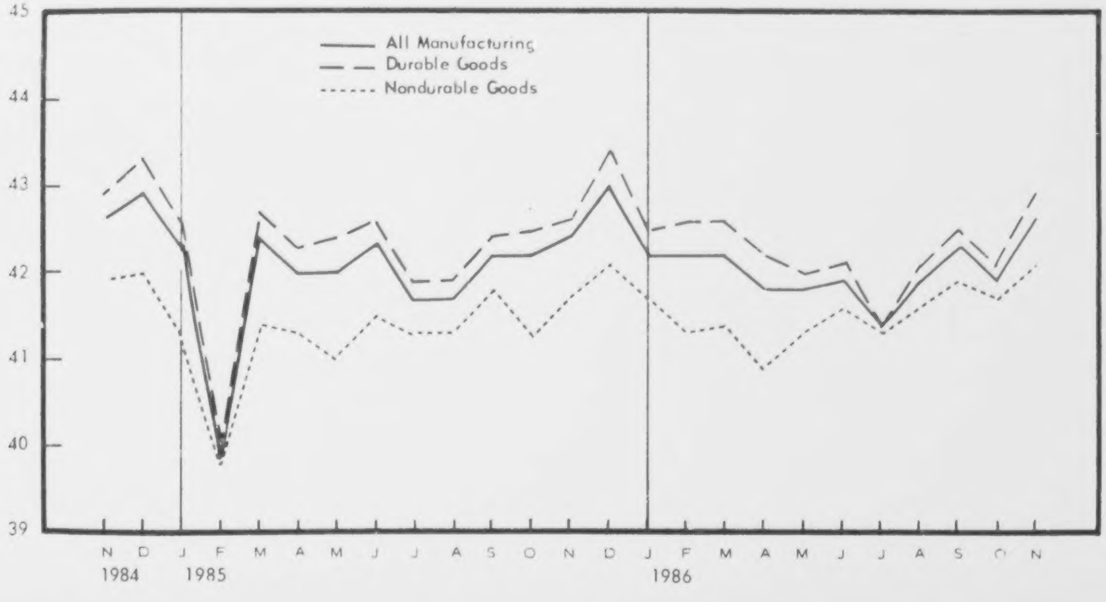
Ohio (continued)

Hours & Earnings of Production or Nonsupervisory Workers[a]

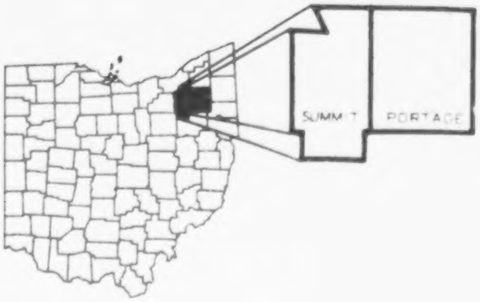
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]
MINING	$534.60	$510.67	$520.65	44.0	43.2	44.5	$12.15	$11.[illegible]	$11.7[illegible]
Bituminous coal and lignite mining	625.95	597.40	615.86	41.1	39.8	41.5	15.23	15.[illegible]	14.84
CONSTRUCTION	553.92	588.35	555.75	38.0	39.7	36.3	14.84	14.82	15.3[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	552.49	552.49	535.49	41.2	41.2	41.3	13.41	13.4[illegible]	12.[illegible]
Communication	545.61	545.61	539.38	40.9	40.9	41.3	13.34	13.34	13.[illegible]
Electric, gas, and sanitary services	559.84	561.60	534.47	41.5	41.6	41.4	13.49	13.5[illegible]	12.91
WHOLESALE TRADE	373.58	369.57	356.96	39.7	39.4	38.4	9.41	9.38	[illegible]
Wholesale trade-durable goods	364.98	364.59	356.21	39.5	39.5	38.[illegible]	9.24	9.2[illegible]	[illegible]
Wholesale trade-nondurable goods	387.60	376.92	356.13	40.0	39.1	38.5	9.68	9.6[illegible]	[illegible]
RETAIL TRADE	157.32	158.44	155.87	28.5	28.6	28.8	5.52	5.54	[illegible].48
General merchandise stores	174.29	179.67	171.69	29.0	29.6	29.1	6.01	6.07	5.90
Department stores	178.02	184.11	176.06	28.9	29.6	29.1	6.16	6.22	6.05
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	250.62	251.79	239.33	....	....	....	.....	.....	.....
Credit agencies other than banks	243.73	244.81	235.19	....	....	....	.....	.....	.....
Insurance carriers	342.14	338.18	309.45	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	321.98	322.01	311.20	33.4	33.3	33.8	9.64	9.67	9.18

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [illegible] manufactures, textile mill products, petroleum and coal products, leather and leather products. [f]Money payments only; tips not included. [illegible] State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural [illegible] centers, and the Ohio Department of Education. Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES

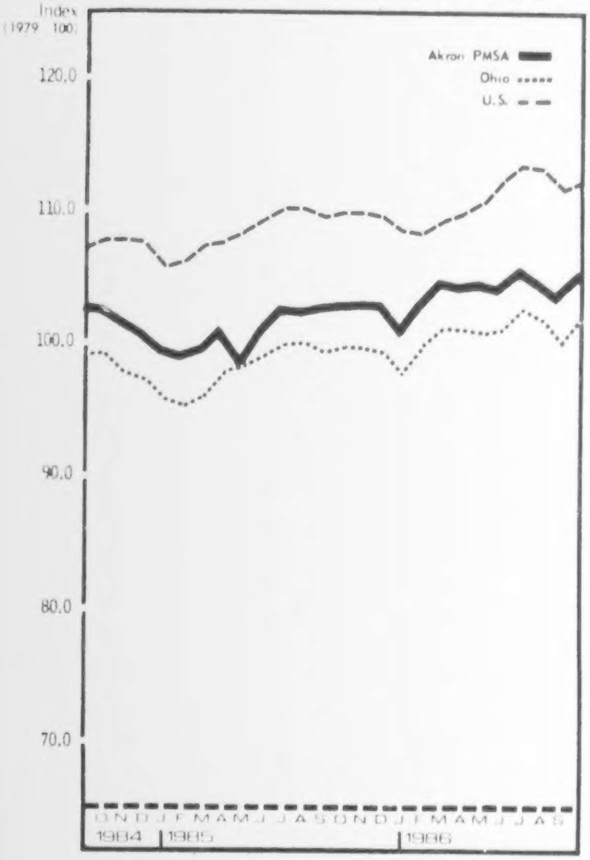


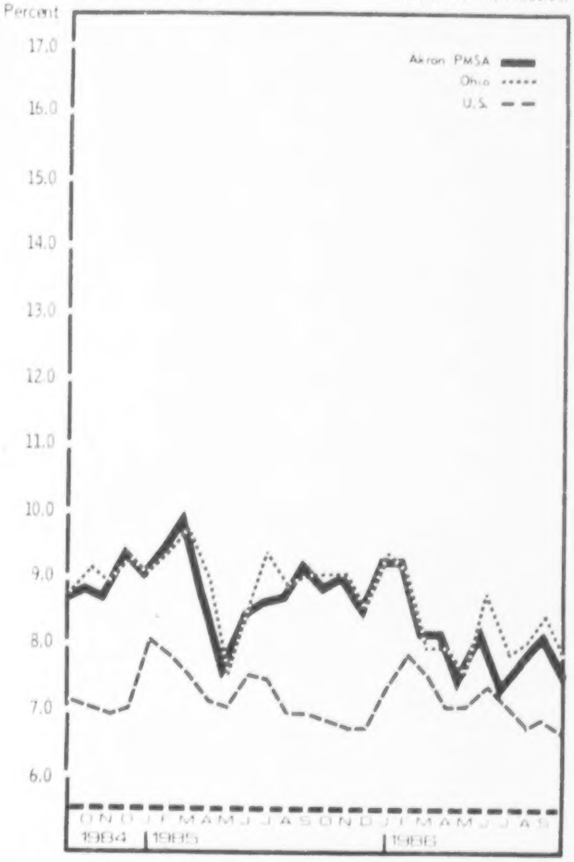
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment for the Akron metropolitan area totaled 272,800 in November, an increase of 1,600 from October. Employment in nonmanufacturing advanced 1,400. Retail trade was the primary sector of growth. Manufacturing employment rose 300 to 65,800, due to an improvement in rubber and miscellaneous plastics products. Manufacturing production workers averaged a 43.2 hour workweek, up .2 hours from October. Their average hourly earnings fell $.06 over the month, to $11.31.

Nonagricultural employment in the Akron area increased by 8,900 from November 1985. Growth occurred in all of the nonmanufacturing divisions. Services, retail trade, and construction were the major areas of advancement. Declines in tires and inner tubes, fabricated metal products, and nonelectrical machinery helped lead to the reduction of 1,400 manufacturing jobs.


INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)


UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

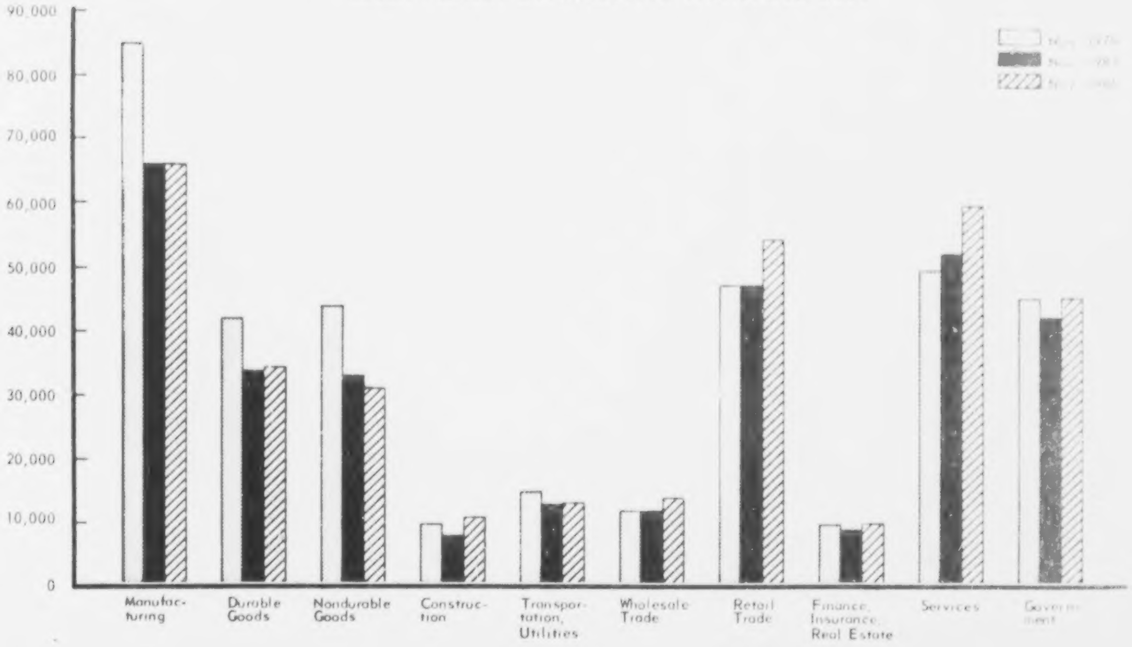
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
292.0	264.3	27.7	9.5	1975	248.4	84.5	60.4	$232.63	[illegible]	[illegible]
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	253.64	[illegible]	[illegible]
294.2	274.7	19.5	6.6	1977	259.3	85.6	[illegible]	[illegible]	[illegible]	[illegible]
298.9	282.2	16.7	5.6	1978	266.6	85.9	[illegible]	[illegible]	[illegible]	[illegible]
303.8	285.4	18.4	6.1	1979	270.9	85.6	[illegible]	[illegible]	[illegible]	[illegible]
304.5	278.3	26.2	8.6	1980	262.4	[illegible]	[illegible]	301.00	[illegible]	[illegible]
304.1	274.9	29.1	9.6	1981	259.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
303.9	268.0	35.9	11.8	1982	249.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
302.5	265.2	37.3	12.3	1983	249.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
316.6	286.0	30.6	9.7	1984	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
316.4	288.5	27.9	8.8	1985	258.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				1985						
321.8	293.4	28.4	8.8	October	263.1	67.0	[illegible]	[illegible]	[illegible]	[illegible]
322.1	293.3	28.8	9.0	November	266.0	67.2	[illegible]	[illegible]	[illegible]	[illegible]
319.9	293.0	26.9	8.4	December	266.3	66.8	[illegible]	[illegible]	44.1	[illegible]
				1986						
316.2	287.3	29.0	9.2	January	257.3	66.4	[illegible]	[illegible]	[illegible]	[illegible]
323.0	293.4	29.6	9.2	February	258.5	66.5	[illegible]	[illegible]	[illegible]	[illegible]
323.8	297.7	26.1	8.1	March	261.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
323.2	297.2	26.0	8.1	April	264.0	66.5	[illegible]	[illegible]	[illegible]	[illegible]
321.2	297.7	23.5	7.3	May	268.8	66.4	[illegible]	[illegible]	[illegible]	[illegible]
323.0	296.6	26.4	8.2	June	267.1	66.5	[illegible]	[illegible]	[illegible]	[illegible]
324.3	301.0	23.3	7.2	July	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
322.3	297.6	24.7	7.7	August	[illegible]	65.2	[illegible]	[illegible]	[illegible]	[illegible]
321.9	295.6	26.3	8.2	September	271.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
325.2	300.7	24.5	7.5	October	271.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
INA	INA	INA	INA	November	272.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1986[b]	October 1986[c]	November 1985[c]	From Last Month	From Last Year
TOTAL	272.8	271.2	264.0	1.6	[illegible]
MANUFACTURING	65.8	65.6	67.2	.2	-1.4
Durable Goods	34.5	34.5	35.4	.0	-.9
Fabricated metal products	12.3	12.3	13.0	.0	-.7
Machinery, except electrical	9.0	9.0	9.5	.0	-.5
Metalworking machinery	2.9	2.8	3.0	.1	-.1
Nondurable Goods	31.3	31.1	31.8	.2	-.5
Food and kindred products	2.6	2.6	2.8	.0	-.2
Chemicals and allied products	2.7	2.7	2.7	.0	.0
Rubber and misc. plastics products	20.7	20.5	21.2	.2	[illegible]
Tires and inner tubes	13.4	13.6	14.5	-.2	[illegible]
NONMANUFACTURING	207.0	205.7	196.8	1.4	10.2
CONSTRUCTION	10.7	11.0	9.1	-.3	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	13.0	13.0	11.9	.0	[illegible]
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.4	14.5	13.6	.0	.8
RETAIL TRADE	54.1	52.7	53.1	1.4	[illegible]
General merchandise stores	8.0	8.5	7.2	[illegible]	.7
FINANCE, INSURANCE, AND REAL ESTATE	10.4	10.3	9.9	.1	.5
Banking	3.3	3.3	3.2	.0	.1
SERVICES	58.7	59.0	55.4	-.3	3.3
Business services	12.2	12.4	10.8	-.2	1.4
Amusement and recreation services	2.8	3.1	2.5	-.3	.3
Health services	17.4	17.3	17.5	.1	-.1
GOVERNMENT	44.6	44.2	43.7	.4	.8
State government	15.7	15.6	15.5	.1	.2
State government education	12.9	12.8	12.6	.1	.2
State government, except education	2.8	2.9	2.8	.0	.0
Local government	25.5	25.2	25.0	.3	.6
Local government education	14.6	14.3	14.2	.3	.4
Local government, except education	11.9	12.0	11.8	.0	.1

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

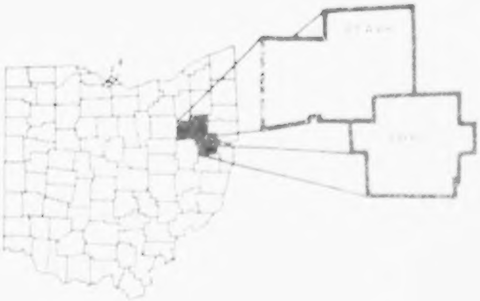
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985[c]	Nov. 1986	Oct. 1986	Nov. 1985	Nov. 1986	Oct. 1986	Nov. 1985
MANUFACTURING	$488.59	$488.91	$474.39	43.[illegible]	43.7	43.0	[illegible]	[illegible]	[illegible]
Durable Goods[e]	511.73	[illegible].04	485.90	43.7	43.8	43.[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	557.29	556.37	579.88	45.5	45.0	43.6	[illegible]	[illegible]	[illegible]
Machinery, except electrical	438.69	427.39	429.24	[illegible]	43.7	43.8	[illegible]	[illegible]	[illegible]
Metalworking machinery	440.[illegible]	434.43	421.[illegible]	44.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[f]	454.37	456.28	455.1[illegible]	42.[illegible]	42.[illegible]	42.[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	455.87	441.05	458.01	41.[illegible]	40.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	448.14	457.89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	483.34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tires and inner tubes	[illegible]	715.84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	315.17	315.32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[g]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, primary metal industries, electric and electronic equipment, transportation equipment, [illegible] related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel [illegible] and allied products, printing and publishing, petroleum and coal products, leather and leather products. [illegible] not included. Includes State universities. Excludes the agricultural extension service and the Ohio Department [illegible] to labor-management disputes.

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	2,7[illegible]	[illegible]	[illegible]
Active File of Job Seekers	20,7[illegible]	20,80[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	372	405	[illegible]
Job Openings Received	501	714	[illegible]
Job Openings Unfilled	694	821	1,7[illegible]
Unemployment Insurance Program			
Initial Claims	3,815	3,542	4,723
Continued Claims	25,231	28,844	[illegible]
First Payments	1,245	[illegible],212	[illegible]
Last Payments	371	477	[illegible]
Weeks Compensated	17,108	[illegible],437	[illegible]
Benefits Paid	$2,476,167	$[illegible],951,717	$3,[illegible]
Average Weekly Payment	$148.59	$148.35	$145.[illegible]

CANTON
METROPOLITAN STATISTICAL AREA



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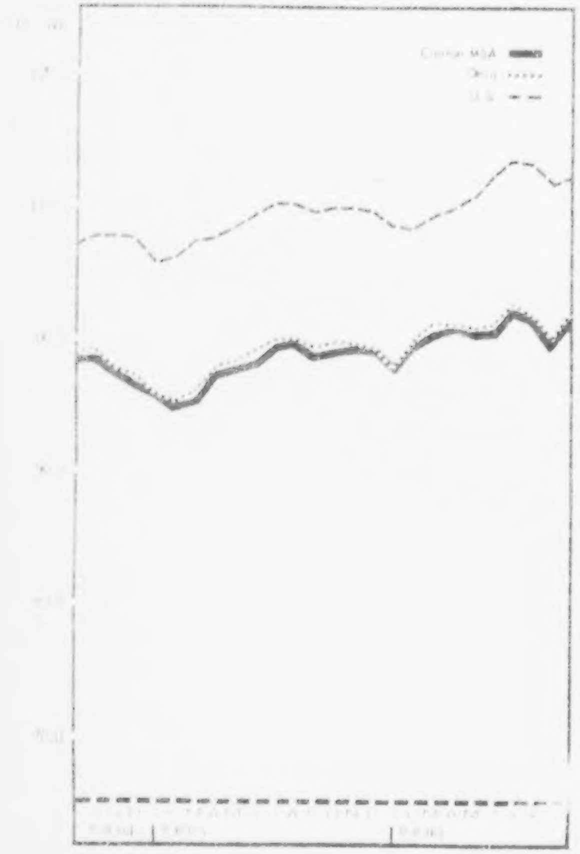
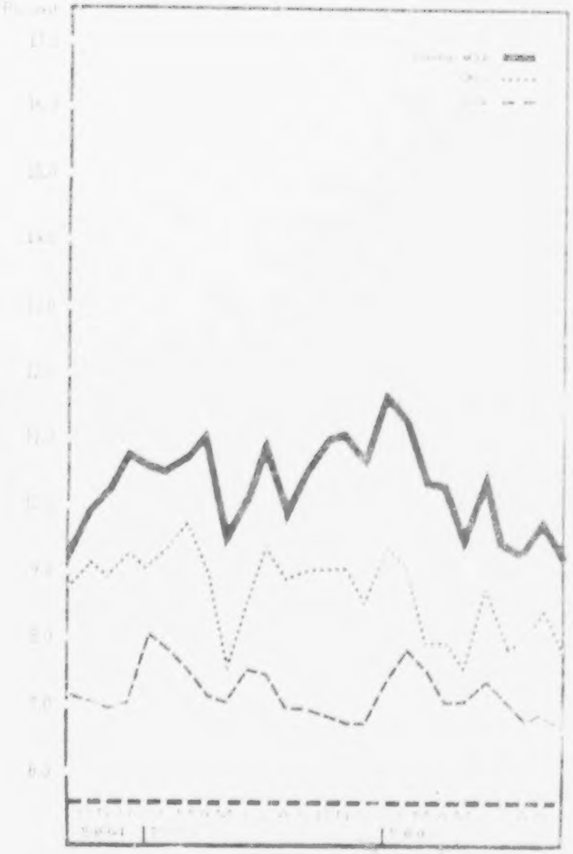
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.



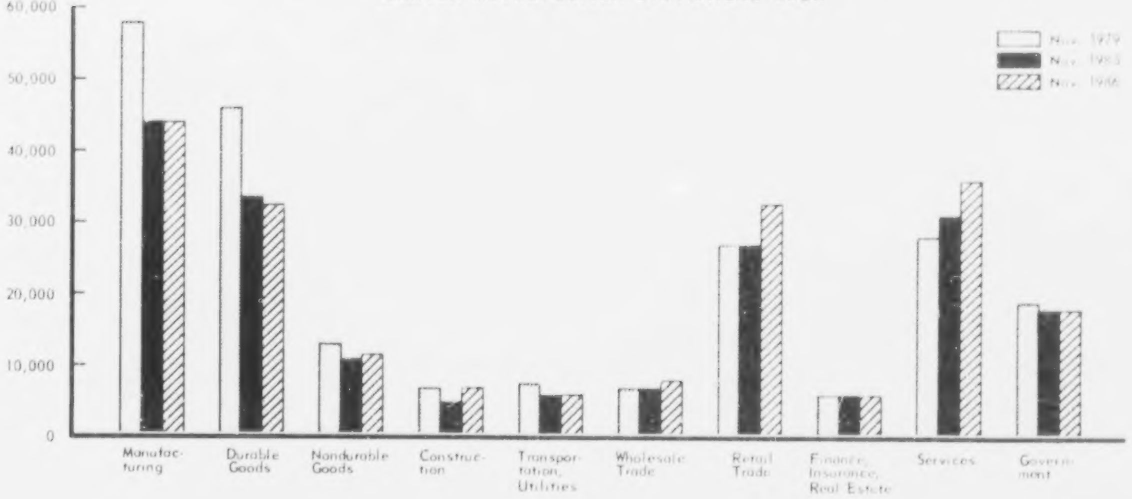
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
176.7	158.0	16.7	9.5	1975	145.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
174.4	158.6	15.8	9.1	1976	145.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
175.9	163.1	12.8	7.3	1977	140.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
179.9	170.0	9.9	5.5	1978	150.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
184.3	173.7	10.6	5.7	1979	153.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
187.7	170.9	16.8	9.0	1980	152.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
189.6	173.1	16.7	8.8	1981	150.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
191.6	164.3	27.3	14.1	1982	138.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
187.0	159.5	27.5	14.7	1983	143.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
188.1	168.1	19.9	10.6	1984	149.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
193.6	168.6	25.0	12.9	1985	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				1985						
192.8	171.7	21.1	11.0	October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
193.5	172.0	21.5	11.1	November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
192.1	171.8	20.3	10.6	December	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				1986						
191.3	168.9	22.4	11.7	January	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
194.3	172.5	21.8	11.1	February	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
194.4	174.1	20.3	10.4	March	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
195.6	175.6	19.9	10.1	April	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
190.8	171.0	19.8	10.4	May	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
198.5	176.1	22.4	11.3	June	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
196.2	177.6	18.6	9.5	July	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
193.7	176.0	17.6	9.1	August	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
190.7	172.0	18.7	9.8	September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
194.0	176.1	17.9	9.2	October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
(NA)	(NA)	(NA)	(NA)	November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

(NA) Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[1]

Canton MSA

	Employment (in thousands)			Change[2] (in thousands)	
	[illegible]	[illegible]	[illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government includes education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

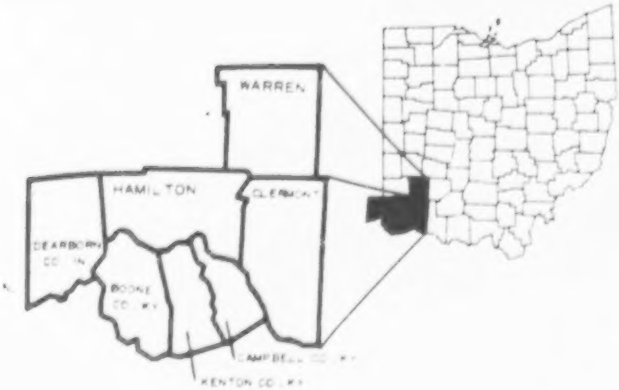
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985	Nov. 1986[b]	Oct. 1986	Nov. 1985	Nov. 1986[b]	Oct. 1986	Nov. 1985
MANUFACTURING	$488.54	$445.61	$4[illegible].[illegible]1	[illegible]	[illegible]	[illegible]	$[illegible]	$[illegible]	$[illegible]
Durable Goods[d]	488.11	461.86	481.[illegible]	41.[illegible]	40.[illegible]	[illegible]	11.[illegible]	[illegible]	[illegible]
Primary metal industries	540.47	524.17	484.[illegible]	41.[illegible]	41.[illegible]	39.[illegible]	12.[illegible]	[illegible]	[illegible]
Fabricated metal products	502.15	489.52	512.68	42.[illegible]	42.2	42.[illegible]	11.87	[illegible]	[illegible]
Metal forgings and stampings	637.19	629.4[illegible]	664.1[illegible]	[illegible]	41.[illegible]	43.[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[e]	408.82	407.26	388.60	[illegible]	39.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	423.26	425.58	406.[illegible]1	39.1	39.[illegible]	39.[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	428.35	423.40	458.74	[illegible]	[illegible]	43.[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	543.32	541.86	526.26	41.[illegible]	40.[illegible]	[illegible]	13.[illegible]	13.[illegible]	[illegible]
WHOLESALE TRADE	339.59	331.06	336.[illegible]	36.[illegible]	3[illegible]	36.[illegible]	9.[illegible]	9.[illegible]	9.[illegible]
RETAIL TRADE[f]	154.27	155.27	156.27	2[illegible]	26.[illegible]	2[illegible]	[illegible]	[illegible]	[illegible]

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. Includes: lumber and wood products, furniture and fixtures, stone, clay, and glass products, machinery, except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [e]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [f]Excludes mining. Money payments only, tips not included. Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	1,584	1,510	1,703
Active File of Job Seekers	17,921	17,907	15,928
Referrals to Jobs	848	1,090	[illegible]
Placements	247	265	288
Job Openings Received	407	552	611
Job Openings Unfilled	332	352	477
Unemployment Insurance Program			
Initial Claims	4,341	3,931	4,227
Continued Claims	21,274	32,342	24,614
First Payments	1,050	4,446	1,598
Last Payments	313	319	288
Weeks Compensated	17,713	25,278	19,325
Benefits Paid	$2,629,401	$4,350,578	$2,869,282
Average Weekly Payment	$153.80	$169.54	$152.40

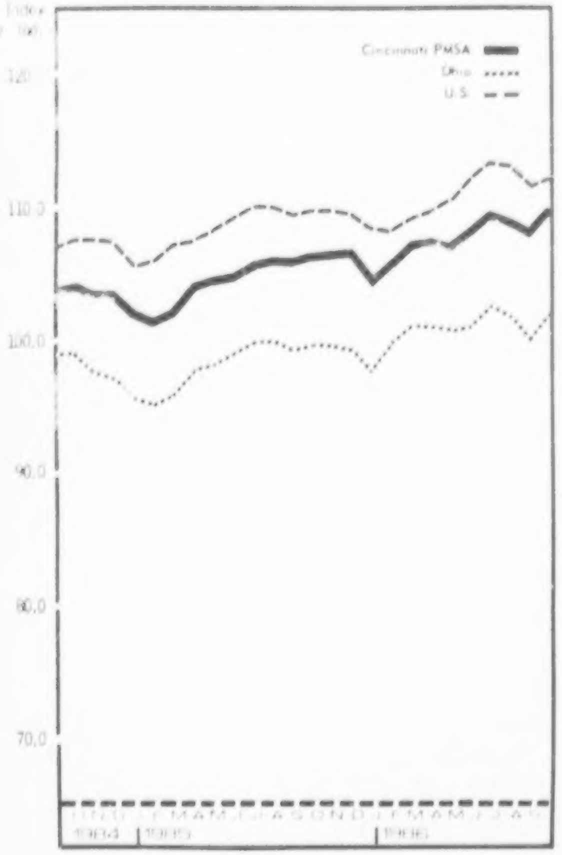
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



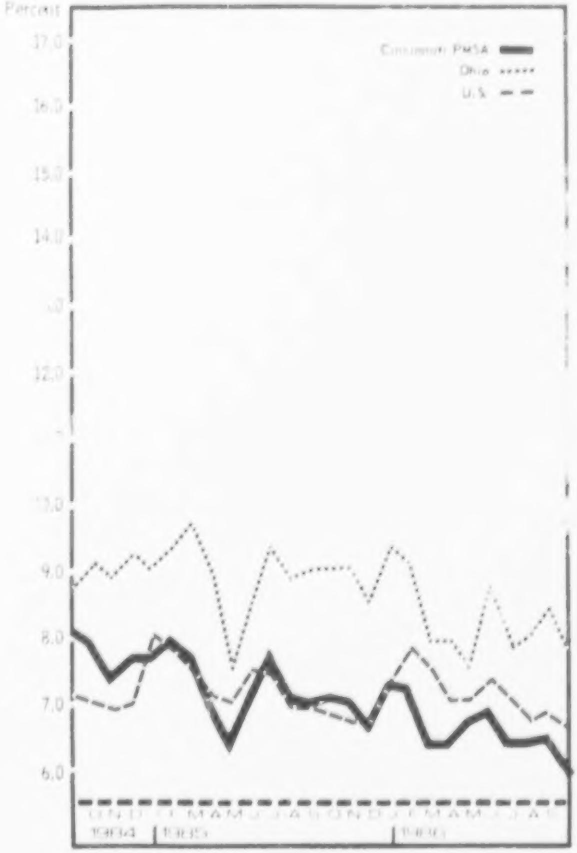
Cincinnati's nonfarm wage and salary employment rose 2,500 in November. Seasonal increases in retail trade accounted for most of the growth. Manufacturing employment increased slightly, to 149,600. Production workers in manufacturing worked an average of 43.5 hours, up one hour. Their average hourly earnings rose $.17 to $10.97 in November.

Nonfarm wage and salary employment increased 28,600 from November 1985 to November 1986. Services and retail trade had the largest gains, although all nonmanufacturing industries were up. Manufacturing employment rose slightly, with losses in nonelectrical machinery overshadowing gains in transportation equipment, chemicals and allied products, and rubber and plastics products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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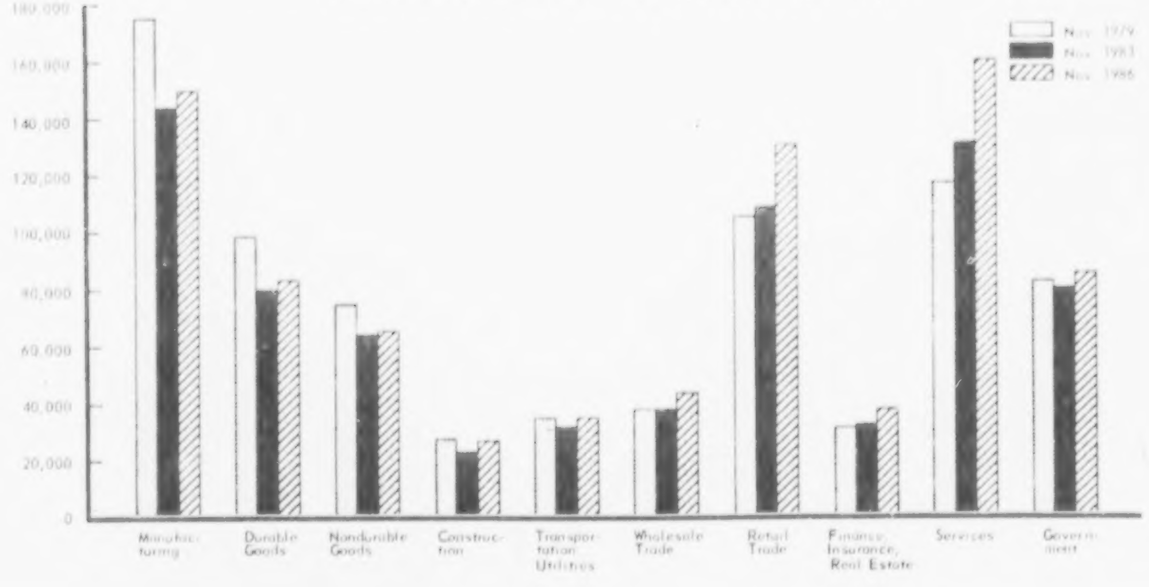
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				[illegible]						
[illegible]	[illegible]	[illegible]	[illegible]	October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	December	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
				1986						
[illegible]	[illegible]	[illegible]	[illegible]	January	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	February	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	March	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	April	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	May	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	June	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	July	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	August	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	September	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	October	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	November	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[c] (in thousands)	
	November [illegible]	October [illegible]	November [illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hotels and other lodging places	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Personal services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amusement and recreation services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	86.2	85.5	[illegible]	[illegible]	[illegible]
Federal government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	19.4	19.3	[illegible]	[illegible]	[illegible]
State government education	11.6	11.5	[illegible]	[illegible]	[illegible]
State government except education	7.8	7.7	[illegible]	[illegible]	[illegible]
Local government	53.7	53.2	[illegible]	[illegible]	[illegible]
Local government education	31.5	31.0	30.3	.5	[illegible]
Local government except education	22.2	22.2	21.9	[illegible]	[illegible]

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]
MANUFACTURING	$477.20	[illegible]	$452.38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[e]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Beverages	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Commercial printing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[h]	[illegible]	[illegible]	[illegible]	[illegible]	26.8	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	.....	.....	.....

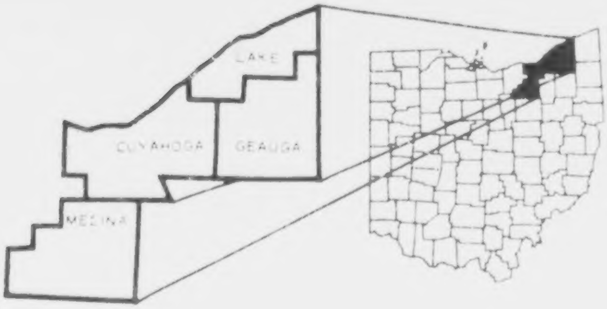
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

[a]Ohio data only

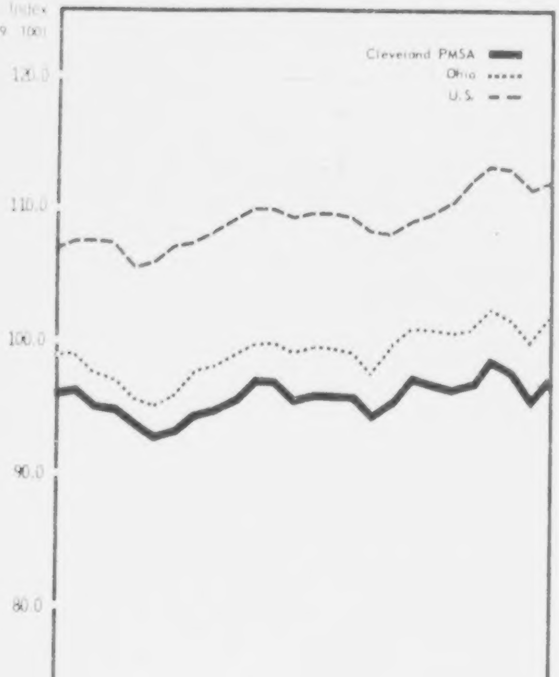
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



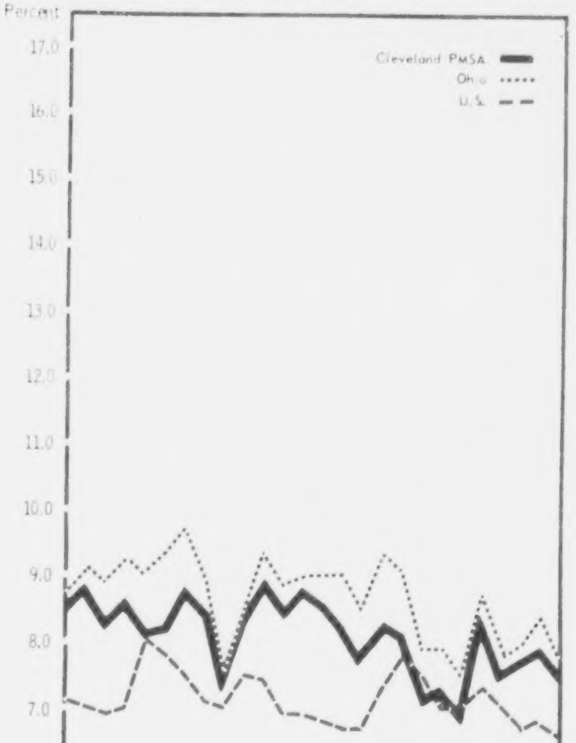
Nonagricultural wage and salary employment in the Cleveland area rose 2,800 from October to 900,200 in November. Nonmanufacturing employment increased 1,700. Gains in retail trade and local schools overshadowed seasonal losses in construction and amusement and recreation services. Manufacturing employment advanced 1,100 to 203,400, due primarily to growth in motor vehicles and equipment, primary metal industries, and rubber and plastics products. Factory production workers earned an average of $11.59 per hour, up $.18 from October. Their average workweek of 43.1 hours was one hour longer.

Since November 1985, nonfarm employment increased 17,500. Noteworthy gains were recorded in retail trade, business services, health services, and finance, insurance, and real estate. Manufacturing employment declined 5,500. Although losses were noted in most manufacturing industries, significant reductions were in nonelectrical machinery, instruments and related products, and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



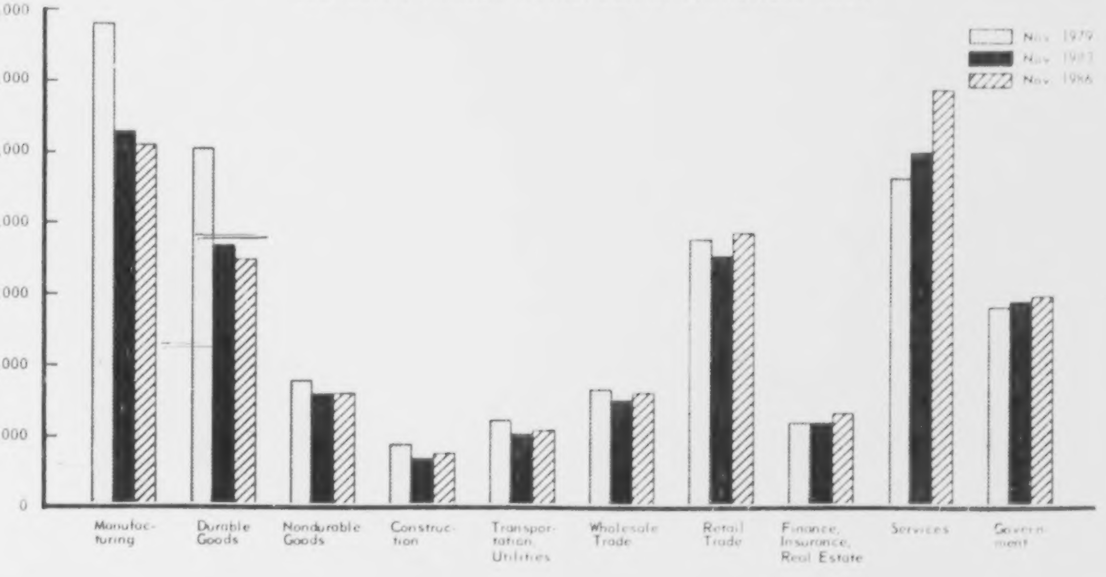
Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
896.9	826.3	70.6	7.9	1975	850.0	260.3	176.0	$277.65	40.4	$ 6.63
897.7	834.4	63.3	7.0	1976	861.0	265.1	185.0	293.08	41.8	6.77
908.5	854.4	54.0	5.9	1977	880.4	270.0	186.0	292.95	42.0	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.29	42.4	7.58
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	335.00	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	256.3	165.2	350.30	40.5	8.63
933.9	854.0	79.8	8.5	1981	880.7	240.0	161.0	395.30	41.1	9.60
933.4	833.2	100.2	10.7	1982	844.6	213.0	141.0	402.33	39.9	10.18
928.7	823.4	105.3	11.3	1983	829.0	207.3	132.4	427.41	40.9	10.45
923.5	841.0	82.5	8.9	1984	854.5	213.0	131.6	450.12	42.0	10.80
922.0	845.5	76.5	8.3	1985	869.3	210.7	135.1	463.74	41.0	11.14
				1985						
932.9	853.7	79.2	8.5	October	880.6	210.0	134.1	467.50	41.4	11.24
929.0	852.6	70.4	8.2	November	882.7	208.9	134.0	467.58	41.8	11.20
923.1	851.9	71.1	7.7	December	884.2	208.3	134.5	480.17	42.3	11.35
				1986						
912.8	837.2	75.6	8.3	January	865.6	207.1	133.6	474.01	41.8	11.34
929.2	854.3	74.9	8.1	February	865.1	205.3	132.1	477.24	41.4	11.53
931.6	865.3	66.3	7.1	March	870.9	206.3	133.3	487.60	42.4	11.50
926.7	859.2	67.5	7.3	April	880.6	205.7	132.6	479.70	41.9	11.45
918.2	855.9	62.3	6.8	May	890.3	205.8	132.7	473.82	41.6	11.39
940.1	861.4	78.7	8.4	June	896.0	205.8	132.3	480.36	42.1	11.41
949.4	878.1	71.3	7.5	July	895.0	203.1	129.6	459.02	40.8	11.27
940.0	867.6	72.4	7.7	August	897.0	202.5	129.4	479.08	42.1	11.40
919.9	847.1	72.9	7.9	September	895.9	204.0	130.9	485.06	42.4	11.44
934.4	864.2	70.2	7.5	October	897.4	202.3	129.2	480.36	42.1	11.41
INA	INA	INA	INA	November	900.2	203.4	130.6	490.53	43.1	11.50

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[b] (in thousands)	
	November [illegible]	October [illegible]	November [illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade, durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Credit agencies other than banks	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Amusement and recreation services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Federal government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

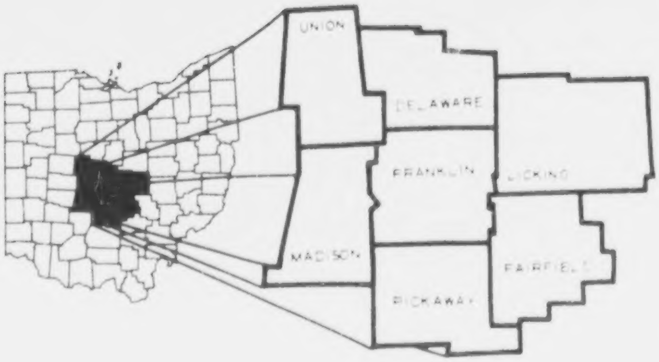
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[p]	October 1986[r]	November 1985	Nov. 1986[p]	Oct. 1986	Nov. 1985	Nov. 1986[p]	Oct. 1986[r]	Nov. 1985
MANUFACTURING	$489.51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[c]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	......	......	......
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[e]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	......	......	......
Banking	[illegible]	[illegible]	[illegible]	....	....	....	......	......	......

[a]See Technical Notes for concepts. [p]Preliminary. [r]Revised. [b]Based on unrounded figures. [c]Includes lumber and wood products, [illegible] glass products, miscellaneous manufacturing. [illegible] Includes tobacco manufactures, textile mill products, petroleum and coal [illegible] leather products. [e]Includes mining. [f]Money payments only; tips not included. [illegible] Excludes the [illegible] and the Ohio Department of Education. [illegible] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

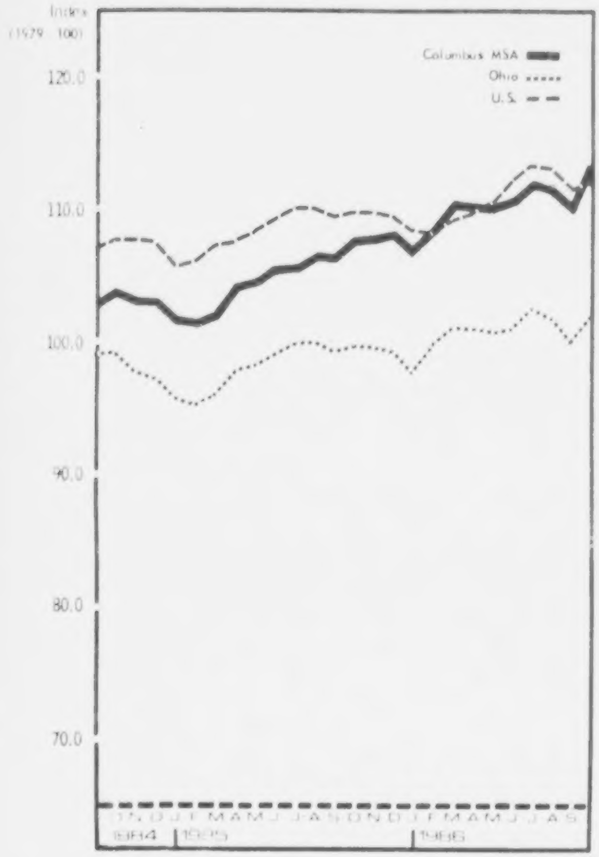
COLUMBUS
METROPOLITAN STATISTICAL AREA



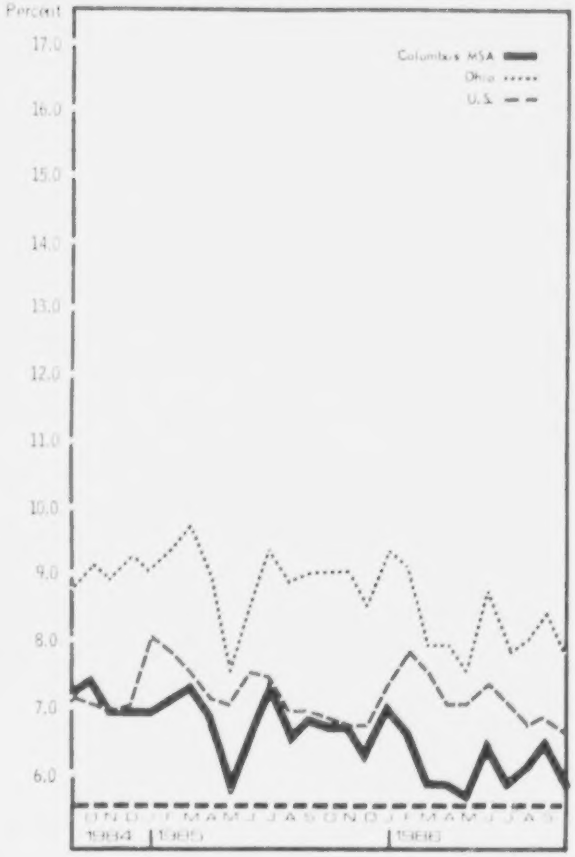
Nonagricultural wage and salary employment in the Columbus metropolitan area totaled 662,000 in November, up 3,600 from October. Nonmanufacturing employment rose 2,800 to 557,300. Retail trade had the largest gains due to the holiday season. Settlement of labor-management disputes in stone, clay, and glass products and nonelectrical machinery pushed manufacturing employment up to 104,700. Production workers in manufacturing earned an average of $11.31 per hour, little changed over the month. The average workweek was 41.1 hours, up .3 hours from October.

Nonagricultural employment rose 34,600 from November 1985. The increase occurred in nonmanufacturing with largest gains in services and retail trade. All other nonmanufacturing divisions in the Columbus area also gained workers over the year. Manufacturing employment declined 2,000, with losses recorded in durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



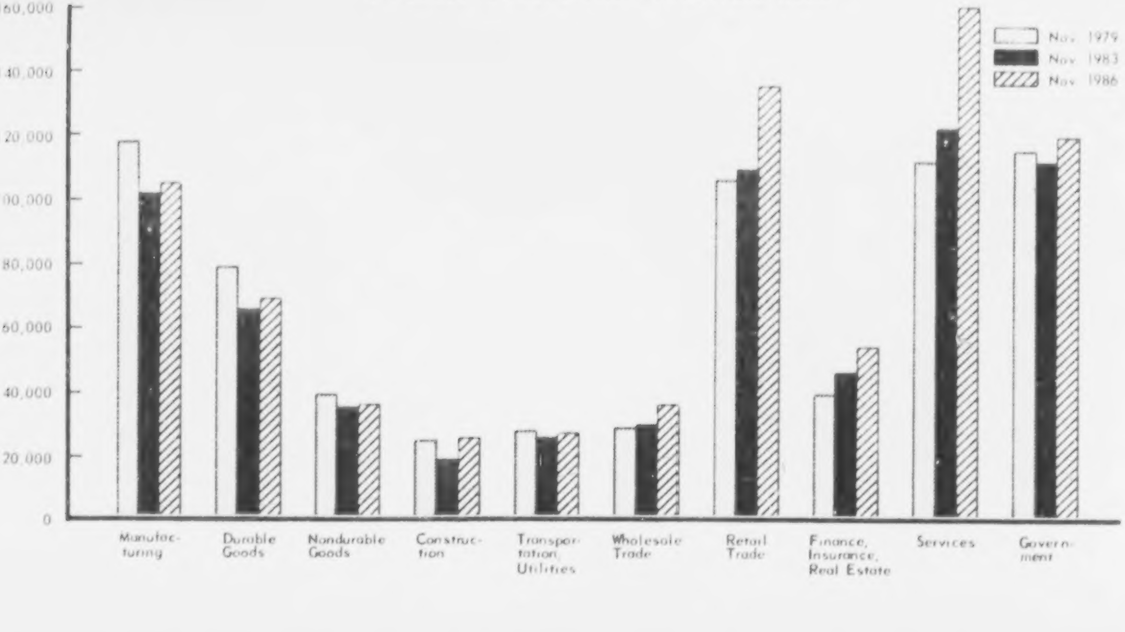
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	488.2	106.8	INA	INA	INA	INA
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	68.3	$426.06	40.5	$10.52
650.4	606.7	43.7	6.7	1985	606.5	105.9	70.8	442.05	40.9	10.81
				1985						
666.8	622.1	44.7	6.7	October	623.9	106.7	71.2	445.26	41.0	10.86
667.3	622.6	44.7	6.7	November	627.4	106.8	71.3	456.62	41.7	10.95
665.3	624.3	41.0	6.2	December	631.4	107.1	71.4	463.14	41.8	11.08
				1986						
661.3	615.1	46.2	7.0	January	620.0	106.0	71.0	451.95	40.9	11.05
671.5	627.0	44.5	6.6	February	619.3	106.3	70.9	453.46	41.0	11.06
676.4	637.2	39.1	5.8	March	624.9	105.7	70.4	460.50	41.3	11.15
675.6	636.5	39.1	5.8	April	635.1	105.7	70.6	462.44	41.4	11.17
672.6	634.8	37.8	5.6	May	642.0	105.3	70.0	461.44	41.2	11.20
683.7	639.4	44.3	6.5	June	646.8	105.0	69.7	460.43	41.0	11.23
686.4	646.7	39.7	5.8	July	640.3	104.8	69.4	458.18	40.8	11.23
696.1	654.5	41.6	6.1	August	644.6	105.0	69.0	461.66	41.0	11.26
677.5	633.5	44.0	6.5	September	651.8	106.1	70.7	465.86	41.3	11.28
694.9	654.6	40.2	5.8	October	658.4	103.9	68.7	459.82	40.8	11.27
INA	INA	INA	INA	November	662.0	104.7	69.3	464.84	41.1	11.31

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[b] (in thousands)	
	[illegible]	[illegible]	[illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Glass and glassware, pressed or blown	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION, COMMUNICATION, & PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade, durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eating and drinking places	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Insurance	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Federal government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

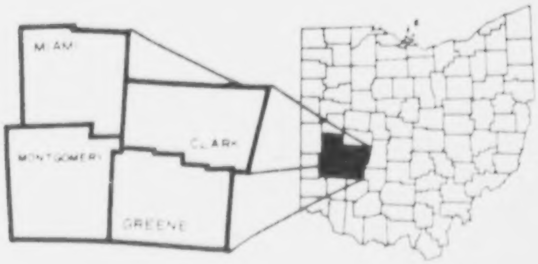
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[p]	October 1986[r]	November 1985[r]	Nov. 1986[p]	Oct. 1986[r]	Nov. 1985[r]	Nov. 1986[p]	Oct. 1986[r]	Nov. 1985[r]
MANUFACTURING	$464.84	$458.87	$459.62	41.1	40.8	41.7	$11.31	$11.27	$11.05
Durable Goods[d]	475.12	472.67	473.30	41.1	40.9	41.7	11.56	11.56	11.35
Stone, clay, and glass products	448.52	472.42	480.39	38.9	39.9	41.7	11.53	11.84	11.68
Glass and glassware, pressed or blown	431.20	488.81	441.14	40.0	43.4	39.6	10.78	11.26	11.14
Fabricated metal products	431.55	474.38	502.25	37.9	42.2	40.8	11.38	11.24	12.31
Fabricated structural metal products	435.66	421.97	404.40	40.1	37.8	40.4	10.86	11.16	10.01
Machinery, except electrical	446.73	443.46	427.23	41.6	41.4	40.1	10.74	10.71	10.65
Electric and electronic equipment	465.66	445.82	469.15	41.2	40.2	42.0	11.30	11.09	11.17
Transportation equipment	556.47	552.38	548.09	43.3	42.8	44.2	12.84	12.91	12.40
Instruments and related products	389.77	385.05	384.78	40.3	40.4	40.8	9.67	9.53	9.43
Nondurable Goods[e]	441.87	432.39	417.66	41.1	40.6	41.6	10.75	10.65	10.04
Food and kindred products	424.95	421.48	397.96	41.3	41.2	40.3	10.29	10.23	9.87
Printing and publishing	507.18	439.70	432.08	39.5	38.1	40.6	12.84	11.54	10.64
Chemicals and allied products	526.26	507.17	516.56	41.3	41.2	43.3	12.74	12.31	11.94
Rubber and misc. plastics products	348.44	342.14	325.85	40.2	41.3	42.6	8.67	8.28	7.65
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	574.01	575.71	564.67	41.9	41.9	41.7	13.70	13.74	13.54
WHOLESALE TRADE	341.11	341.38	303.02	38.9	38.4	38.7	8.77	8.89	7.83
RETAIL TRADE	166.16	168.14	171.24	25.3	25.5	26.2	6.57	6.59	6.54
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	249.05	244.33	233.31	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [p] Preliminary. [r] Revised. [c] Based on unrounded figures. [d] Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [e] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [f] Includes mining. [g] Money payments only, tips not included. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
EMPLOYMENT SERVICE PROGRAM			
New Applicants	4,114	4,935	4,535
Active File of Job Seekers	34,524	35,113	41,354
Referrals to Jobs	1,787	3,238	3,058
Placements	617	1,048	991
Job Openings Received	1,218	2,795	2,334
Job Openings Unfilled	5,013	5,813	7,662
Unemployment Insurance Program			
Initial Claims	5,564	5,181	5,633
Continued Claims	35,770	35,088	38,120
First Payments	2,413	2,225	2,240
Last Payments	607	583	513
Weeks Compensated	27,413	31,816	29,943
Benefits Paid	$4,091,930	$4,768,884	$4,326,572
Average Weekly Payment	$152.68	$153.31	$147.68

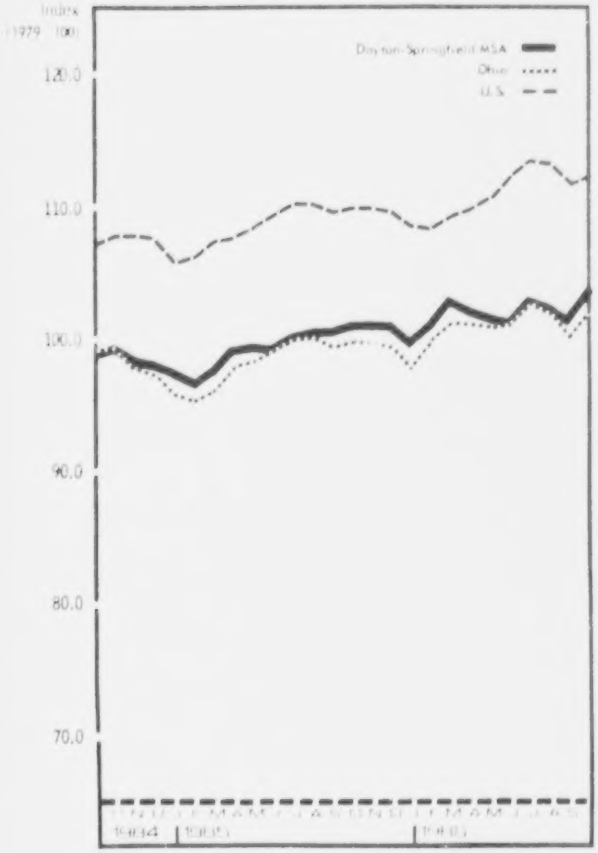
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



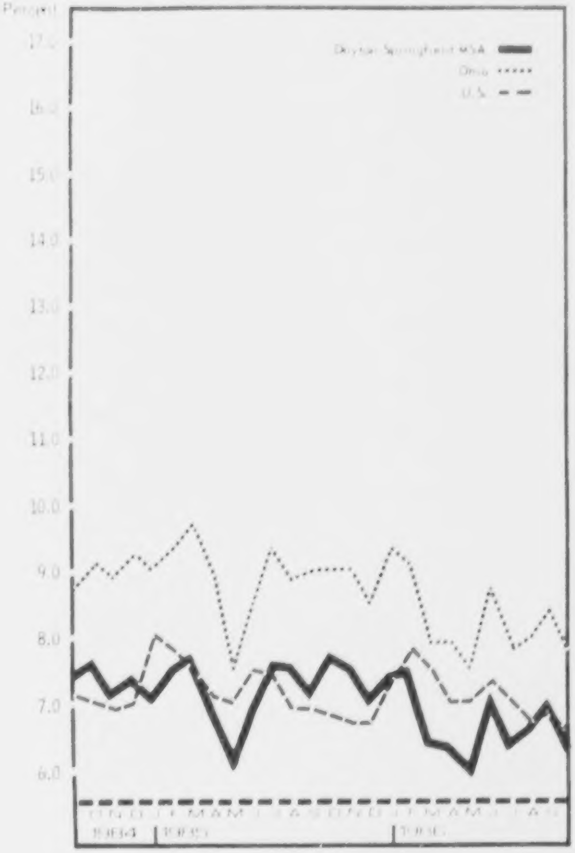
Nonagricultural wage and salary employment in the Dayton-Springfield MSA, at 432,000 in November was up 2,000 from October. The increase occurred in nonmanufacturing, especially retail trade, services, and government. Over the month, manufacturing employment remained unchanged at 104,200. Production workers in manufacturing earned an average of $11.93 per hour, down $.04 from October. Their average workweek of 42.4 hours was up .4 hours.

From November 1985 to November 1986, Dayton-Springfield nonagricultural wage and salary employment rose 14,600. All nonmanufacturing industries were up, with services, retail trade, and construction having the largest increases. Manufacturing employment dropped 2,300 over the year, due chiefly to losses in nonelectrical machinery, rubber and plastics products, and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



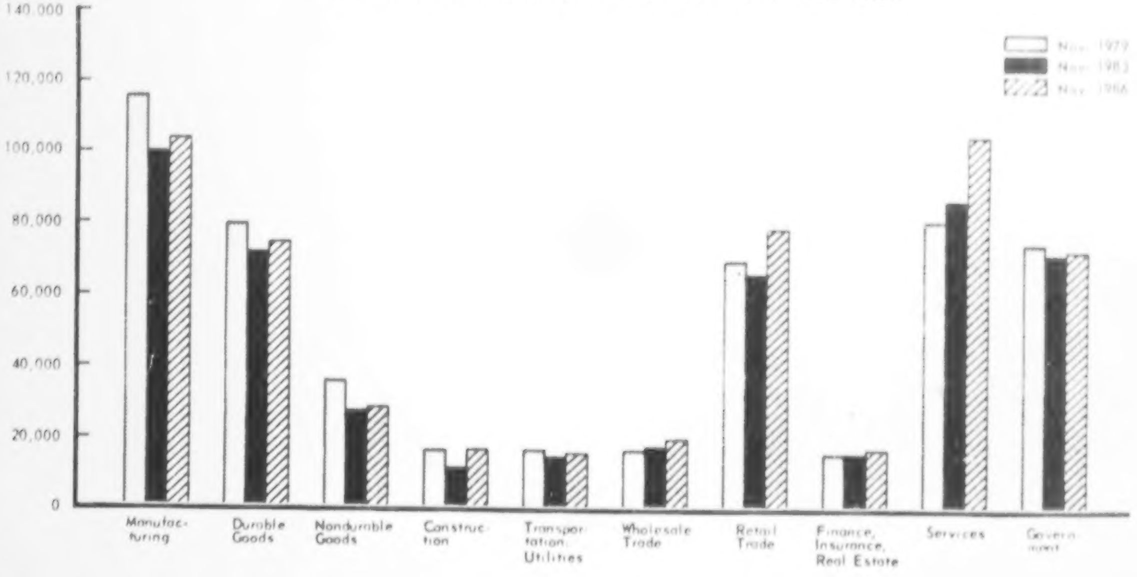
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	360.1	112.5	INA	INA	INA	INA
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.0	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
447.9	415.6	32.3	7.2	1985	407.8	106.4	69.1	517.10	43.2	11.97
				1985						
457.1	422.2	35.0	7.7	October	415.5	107.0	69.5	508.50	42.5	11.96
456.5	422.2	34.2	7.5	November	417.4	106.8	69.4	518.15	43.0	12.05
453.7	421.7	31.9	7.0	December	418.7	106.6	69.3	540.87	44.6	12.13
				1986						
448.1	414.9	33.2	7.4	January	409.9	105.7	68.5	534.45	43.7	12.23
457.2	422.7	34.5	7.5	February	409.1	105.5	68.3	532.01	43.8	12.15
459.4	429.9	29.5	6.4	March	413.1	105.2	67.8	525.44	43.4	12.11
455.1	426.3	28.8	6.3	April	417.0	104.7	67.7	517.88	42.8	12.10
450.9	424.4	26.5	5.9	May	421.0	104.6	67.5	515.31	42.0	12.27
455.5	423.0	32.5	7.1	June	419.0	104.5	67.0	518.06	43.1	12.02
459.2	430.0	29.1	6.3	July	418.0	104.1	66.5	511.28	42.5	12.03
458.2	427.8	30.4	6.6	August	420.2	104.6	66.6	502.25	42.1	11.93
455.0	423.4	31.6	7.0	September	427.6	104.7	67.2	516.52	42.9	12.04
462.7	433.3	29.3	6.3	October	430.0	104.1	67.0	502.74	42.0	11.97
INA	INA	INA	INA	November	432.0	105.2	67.2	505.83	42.4	11.93

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1986[p]	October 1986[r]	November 1985	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Credit agencies other than banks	[illegible]	4.8	4.5	[illegible]	[illegible]
Insurance carriers	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	24.6	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	15.3	[illegible]	[illegible]	[illegible]
Educational services	[illegible]	6.6	[illegible]	.1	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Federal government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	.2	.4
State government education	4.6	4.3	4.2	[illegible]	.3
State government, except education	2.6	2.6	[illegible]	[illegible]	.1
Local government	38.9	[illegible]	38.7	.2	.2
Local government education	24.7	24.4	24.5	.3	.3
Local government, except education	14.1	14.2	14.2	.0	- .1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

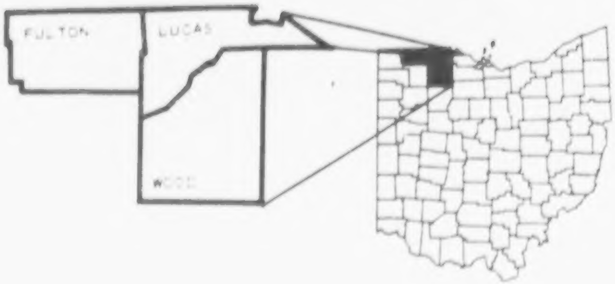
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]
MANUFACTURING	$525.83	$522.74	$516.18	42.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[e]	512.58	511.98	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	395.22	384.70	365.21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery except electrical	547.68	541.88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	519.34	515.96	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	410.23	395.53	379.81	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	497.82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	495.07	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	353.40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	484.84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	416.88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	517.44	592.18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[f]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [illegible] fixtures; stone, clay and glass products; primary metal industries; instruments and related products; [illegible] manufactures; textile mill products; apparel and other textile products; chemicals and allied products; [illegible] leather products. [f]Includes mining. [g]Money payments only; tips not included. [illegible] agricultural research centers, and the Ohio Department of Education. [illegible]

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	442	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

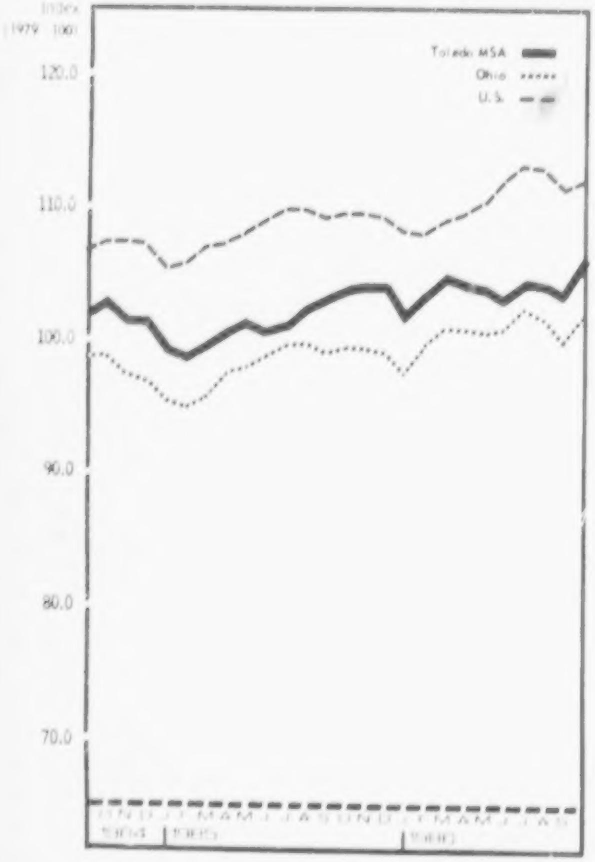
TOLEDO
METROPOLITAN STATISTICAL AREA



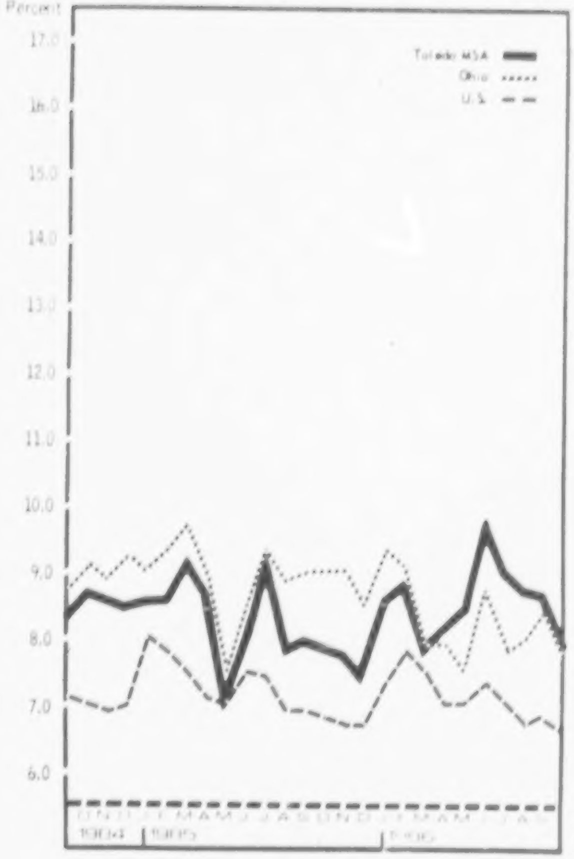
In November, Toledo's nonagricultural wage and salary employment rose 1,900, to 281,500. Nonmanufacturing employment rose 1,600, to 218,800. A large part of this increase occurred in retail trade which rose seasonally. Manufacturing employment advanced slightly over the month. Manufacturing production workers earned an average of $12.45 per hour, down $.03 from October. Their average workweek decreased by .5 hours, to 42.1 hours.

Between November 1985 and November 1986 nonagricultural wage and salary employment rose 8,300. This increase occurred in nonmanufacturing industries, with large gains in services (+4,800) and retail trade (+3,400). Manufacturing employment declined by 3,500, with all losses occurring in durable-goods industries. The largest decline was reported in motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



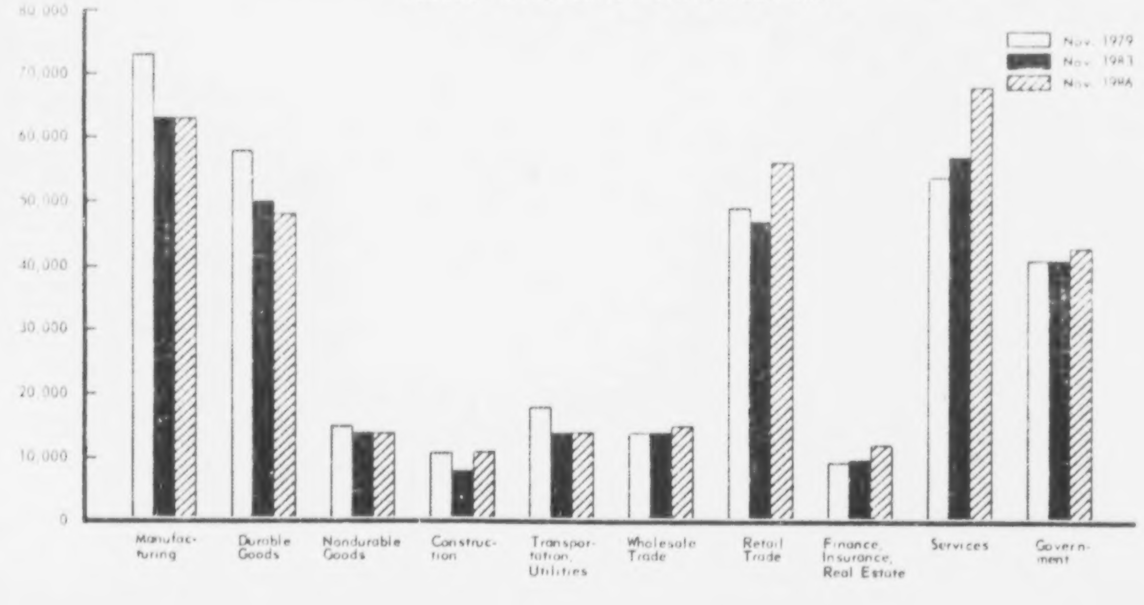
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	241.0	75.9	INA	INA	INA	INA
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	258.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	264.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.0	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.5	1983	245.3	59.8	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
295.5	271.3	24.2	8.2	1985	264.4	65.6	46.2	523.55	42.6	12.29
				1985						
301.4	277.7	23.7	7.9	October	271.7	66.5	47.0	537.93	43.0	12.51
301.7	278.1	23.6	7.8	November	273.7	66.2	46.8	531.15	42.8	12.41
299.4	277.2	22.2	7.4	December	274.2	66.2	46.7	537.84	43.2	12.45
				1986						
296.8	*271.4	25.4	8.6	January	266.5	66.0	46.6	532.39	42.9	12.41
301.1	276.1	25.0	8.3	February	264.5	63.3	44.2	530.68	42.9	12.37
303.5	279.8	23.7	7.8	March	268.5	63.0	43.4	529.91	42.7	12.41
302.7	277.8	24.9	8.2	April	270.1	62.8	43.2	516.23	41.8	12.35
302.0	275.0	27.0	8.9	May	271.0	62.1	43.0	524.55	42.2	12.43
305.0	276.8	28.2	9.2	June	273.2	62.3	43.1	524.12	42.2	12.42
306.7	278.7	28.0	9.1	July	268.1	62.0	42.7	526.25	42.1	12.50
305.1	278.3	26.8	8.8	August	271.3	63.3	44.0	519.90	42.2	12.32
302.8	276.4	26.4	8.7	September	277.1	63.7	44.2	524.36	42.7	12.28
306.2	281.8	24.4	7.9	October	273.6	63.4	44.3	531.65	42.6	12.48
INA	INA	INA	INA	November	281.5	62.7	43.8	524.15	42.1	12.45

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1986[b]	October 1986[c]	November 1985[c]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods*	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Stone, clay, and glass products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods'	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Trucking and warehousing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade-durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Business services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]
MANUFACTURING	$524.15	$531.65	$531.15	42.1	42.6	42.8	$12.45	$12.48	$12.41
Durable Goods[e]	548.21	550.82	555.84	42.3	42.6	43.1	12.96	12.93	12.88
Stone, clay, and glass products	541.80	540.86	585.98	43.0	43.2	44.8	12.60	12.52	13.08
Primary metal industries	504.24	468.42	498.61	44.0	42.2	44.4	11.46	11.10	11.23
Fabricated metal products	503.05	528.96	463.81	41.2	42.9	42.7	12.21	12.33	10.86
Metal forgings and stampings	590.04	627.59	596.29	43.1	44.7	44.4	13.69	14.04	13.43
Machinery, except electrical	473.71	494.49	451.76	41.7	43.3	41.5	11.36	11.42	10.88
Electric and electronic equipment	565.36	576.58	518.25	44.1	44.8	42.1	12.82	12.87	12.31
Transportation equipment	646.67	641.27	650.69	42.6	42.3	43.7	15.18	15.16	14.89
Motor vehicles and equipment	649.22	643.81	651.38	42.6	42.3	43.6	15.24	15.22	14.94
Nondurable Goods[f]	441.15	463.06	429.88	41.5	42.6	40.9	10.63	10.87	10.51
Food and kindred products	525.46	512.77	438.90	43.0	39.1	39.9	12.22	13.11	11.00
Rubber and misc. plastics products	324.00	323.52	317.54	40.5	40.9	39.1	8.00	7.91	8.12
TRANSPORTATION AND PUBLIC UTILITIES[g]	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	634.35	637.28	589.19	43.3	43.5	42.5	14.65	14.65	13.87
WHOLESALE TRADE	357.52	353.02	352.39	38.4	38.0	38.4	9.31	9.29	9.19
RETAIL TRADE[h]	155.52	155.84	152.35	28.7	28.7	28.8	5.42	5.43	5.29

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	1,932	2,409	2,595
Active File of Job Seekers	23,411	24,024	27,005
Referrals to Jobs	836	1,176	2,232
Placements	399	396	1,562
Job Openings Received	500	494	1,569
Job Openings Unfilled	699	935	1,358
Unemployment Insurance Program			
Initial Claims	3,822	4,090	4,633
Continued Claims	[illegible]	21,624	20,358
First Payments	1,152	1,217	1,188
Last Payments	412	414	264
Weeks Compensated	15,687	18,125	15,222
Benefits Paid	$2,231,457	$2,629,836	$2,062,735
Average Weekly Payment	$146.10	$149.11	$138.86

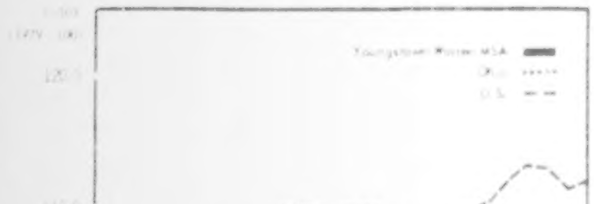
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA

Nonagricultural wage and salary employment in the Youngstown-Warren area decreased slightly to a November level of 192,800. Nonmanufacturing employment held steady at 140,900. Manufacturing decreased by 200 to 51,900. Production workers earned $11.26 per hour, up $.09 from last month. They averaged a 41.9 hour workweek, up .6 hours from October.

From November 1985 to November 1986, nonagricultural wage and salary employment rose 5,000. The largest increases occurred in services (+2,400) and in trade (+1,600). Many of the manufacturing sectors posted employment losses over the year.

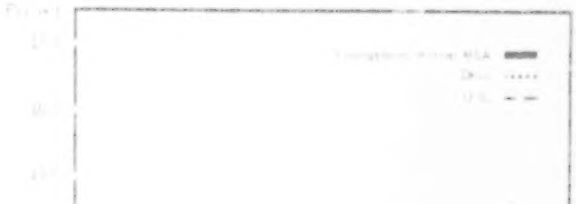
INDEXES OF TOTAL EMPLOYMENT

YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES

YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



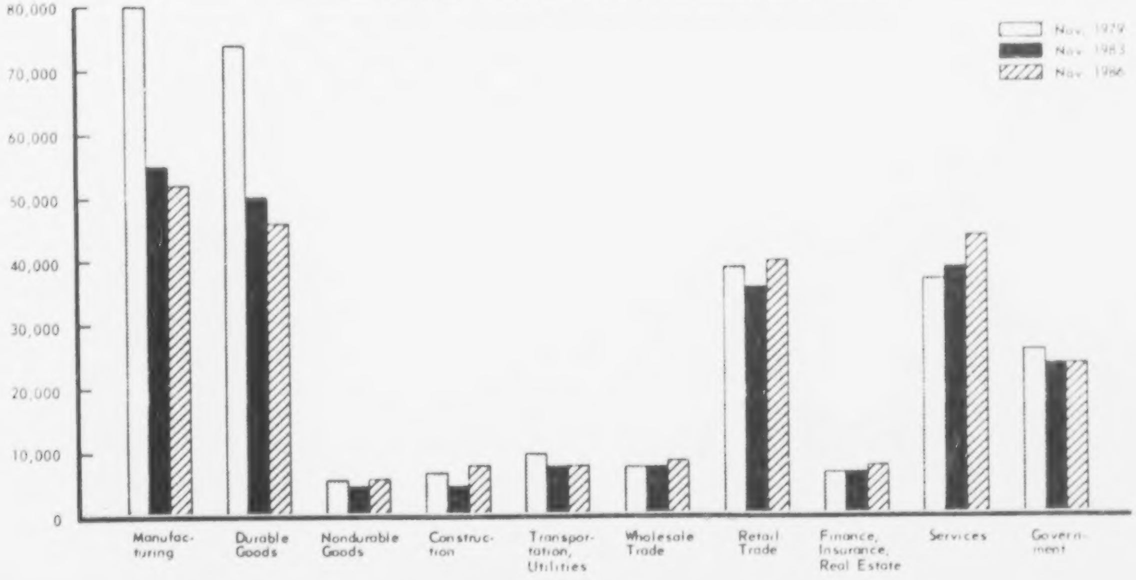
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
236.7	209.8	26.9	11.4	1975	200.7	80.8	63.3	$246.65	38.6	$ 6.39
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	277.29	39.5	7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.9	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	405.67	39.5	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.0	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.2	11.8	1984	182.5	56.1	41.9	555.97	43.3	12.84
220.1	195.2	24.9	11.3	1985	183.3	57.5	39.6	570.64	43.1	13.24
				1985						
224.0	198.6	25.4	11.3	October	187.8	53.3	40.0	589.63	44.4	13.28
223.4	197.5	25.9	11.6	November	187.7	52.7	39.5	599.42	44.5	13.47
223.0	197.8	25.2	11.3	December	188.3	52.9	39.7	614.44	44.3	13.87
				1986						
219.5	194.0	25.5	11.6	January	184.2	52.8	39.5	574.01	42.3	13.57
222.1	196.9	25.2	11.4	February	183.2	51.0	38.7	570.12	42.2	13.51
221.6	199.5	22.1	10.0	March	184.5	51.6	38.5	549.61	41.2	13.34
221.8	198.9	22.9	10.3	April	187.0	51.4	38.3	542.93	41.1	13.21
219.5	199.4	20.1	9.2	May	190.1	51.9	38.8	533.79	40.5	13.18
224.2	200.1	24.1	10.8	June	190.9	51.8	38.7	539.97	41.0	13.17
224.8	202.6	22.2	9.9	July	188.8	51.2	38.2	542.13	41.1	13.19
225.4	200.8	24.7	10.9	August	188.6	51.3	38.3	541.03	41.3	13.10
221.8	198.4	23.4	10.5	September	192.4	52.1	39.2	557.69	41.9	13.31
225.1	202.9	22.2	9.9	October	193.0	52.1	39.3	544.75	41.3	13.19
INA	INA	INA	INA	November	192.8	51.9	39.1	556.43	41.9	13.28

INA: Information not available.

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1986[b]	October 1986[c]	November 1985[c]	From Last Month	From Last Year
TOTAL	192.8	193.0	187.[illegible]	.1	[illegible]
MANUFACTURING	51.3	52.1	52.7	.2	.[illegible]
Durable Goods[c]	46.2	46.3	47.3	.1	.1
Primary metal industries	23.2	23.4	23.6	.2	.4
Blast furnace and basic steel products	16.8	[illegible]	16.7	.[illegible]	.1
Fabricated metal products	7.8	7.5	7.7	.[illegible]	.1
Machinery, except electrical	3.1	3.2	3.4	.1	.3
Electric and electronic equipment	2.5	2.5	2.5	.[illegible]	.[illegible]
Transportation equipment	8.8	8.8	8.7	.2	.1
Nondurable Goods[c]	5.7	5.8	5.4	.1	.3
NONMANUFACTURING	141.5	140.9	135.0	.[illegible]	6.1
CONSTRUCTION	7.7	8.3	7.0	.6	.7
TRANSPORTATION AND PUBLIC UTILITIES	8.3	8.2	7.4	.1	.9
Communication, electric, gas services	3.3	3.2	3.0	.[illegible]	.[illegible]
WHOLESALE TRADE	9.0	9.1	9.1	.1	.[illegible]
Wholesale trade-durable goods	6.0	6.1	6.1	.0	.1
RETAIL TRADE	39.0	38.3	36.1	.7	2.[illegible]
General merchandise stores	6.1	5.6	6.2	.5	.[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	7.9	7.8	7.4	.[illegible]	.5
Banking	2.5	2.5	2.5	.0	.0
SERVICES	43.5	44.0	41.7	.[illegible]	2.[illegible]
Health services	18.4	18.4	17.9	.0	.5
GOVERNMENT	24.1	23.6	23.8	.5	.3
State government	4.1	3.7	4.1	.4	.0
State government education	2.7	2.2	2.7	.4	.0
State government, except education	1.4	1.5	1.4	.0	.0
Local government	18.0	17.9	17.7	.1	.3
Local government education	11.5	11.4	11.4	.1	.1
Local government, except education	6.5	6.5	6.3	.0	.2

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1986[b]	October 1986[c]	November 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]	Nov. 1986[b]	Oct. 1986[c]	Nov. 1985[c]
MANUFACTURING	$556.43	$544.75	$599.42	41.9[j]	41.3	44.5	$13.28	$13.19	$13.47
Durable Goods[e]	576.03	561.57	620.48	42.2	41.5	44.8	13.65	13.53	13.85
Primary metal industries	592.24	585.27	573.48	41.3	40.7	40.5	14.34	14.38	14.16
Blast furnace and basic steel products	634.95	625.19	487.98	42.7	42.1	36.2	14.87	14.85	13.48
Fabricated metal products	566.25	525.29	588.81	42.1	40.5	42.5	13.45	12.97	13.85
Machinery, except electrical	472.80	456.84	498.86	40.9	40.5	42.6	11.56	11.28	11.71
Electric and electronic equipment	431.20	424.75	413.29	40.0	39.7	40.4	10.78	10.70	10.23
Transportation equipment	662.07	665.58	890.76	45.1	44.7	57.1	14.68	14.89	15.60
Nondurable Goods	372.45	366.21	373.10	39.0	39.0	41.0	9.55	9.39	9.10
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.85	544.45	536.13	40.6	40.6	41.4	13.42	13.41	12.95
WHOLESALE TRADE	327.49	333.87	322.88	37.3	38.2	36.5	8.78	8.74	8.85
RETAIL TRADE[h]	170.13	155.12	161.84	29.9	28.6	28.9	5.69	5.68	5.60

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Income payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	November 1986	October 1986	November 1985
Employment Service Program			
New Applicants	1,851	2,439	2,452
Active File of Job Seekers	30,211	30,537	32,355
Referrals to Jobs	1,174	1,473	2,580
Placements	353	638	1,098
Job Openings Received	474	715	1,222
Job Openings Unfilled	483	481	441
Unemployment Insurance Program			
Initial Claims	6,129	5,057	5,392
Continued Claims	21,451	21,981	25,440
First Payments	1,286	1,234	1,874
Last Payments	271	343	370
Weeks Compensated	17,652	18,890	20,963
Benefits Paid	$2,479,656	$2,616,189	$3,128,076
Average Weekly Payment	$145.74	$144.06	$153.43

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry, on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and, for most industries, payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	41
Manufacturing	60
Nonmanufacturing	35
Mining	50
Construction	20
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	21
Finance, Insurance, and Real Estate	44
Services and Miscellaneous	24
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months as follows:

$$\begin{matrix}\text{Total Employment} \\ \text{(current month)}\end{matrix} = \begin{matrix}\text{Total Employment} \\ \text{(previous month)}\end{matrix} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1985 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Civilian Labor Force and Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed. For methodology see January 1986 issue.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours (from which average hours and earnings data are derived) follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record-keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind excluded.

Hours.—Represents hours worked or paid for during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	November 1986	October 1986	November 1985
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Counseling Interviews	[illegible]	[illegible]	[illegible]
Tests Administered	[illegible]	[illegible]	[illegible]
General Aptitude Tests	[illegible]	[illegible]	[illegible]
Proficiency Tests	[illegible]	[illegible]	[illegible]
Specific Aptitude Tests	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]

Selected Unemployment Insurance Activities

	November 1986	October 1986	November 1985
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Average Weekly Claimants	[illegible]	[illegible]	[illegible]
Average Weekly Benefit Recipients	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	597,975	[illegible]
Benefits Paid	$45,030,877	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]
Continued Claims for Survey Week	[illegible]	[illegible]	123,987
Insured Unemployment Rate	[illegible]	[illegible]	[illegible]
Net Contributions	[illegible]	[illegible]	[illegible]
Active Employer Accounts	193,478	[illegible]	[illegible]

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at [illegible].

[illegible]

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Ohio
Labor
Market
Information

Labor Market Review

December 1986

Summary. The number of jobless Ohioans increased 39,000 from November to December, raising the seasonally adjusted unemployment rate from 7.2 percent to 7.9 percent, according to the latest household survey. The U.S. rate declined from 6.9 percent in November to 6.7 percent in December. Ohio's civilian labor force, at 5,290,000, was 24,000 greater than in November. Total employment dropped 15,000, to 4,872,000. Seasonally adjusted nonagricultural wage and salary employment, at 4,569,000, was up 12,000 from November according to the most recent employer survey. Gains in services and manufacturing accounted for much of the increase. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment rose 4,000 from November, to 1,098,000 in December. The increase occurred in durable-goods employment while nondurable-goods employment was unchanged. December marks the second consecutive month of improvement in manufacturing employment, after declines during most of 1986.

Nonmanufacturing. Ohio's nonmanufacturing employment in December, at 3,471,000, was 8,000 above the November level. Services rose 5,000, while most other divisions had small gains or remained at their November figures. Seasonally adjusted employment in retail trade, however, dropped slightly.

Over the Year. The civilian labor force increased by 104,000 between December 1985 and December 1986. Total employment rose 123,000, while the number of unemployed fell 19,000. The unemployment rate fell from 8.4 percent to 7.9 percent over the year and the national rate dropped from 7.0 percent to 6.7 percent. Nonfarm wage and salary employment in Ohio was up 120,000 from December 1985, due chiefly to growth in nonmanufacturing, especially in services and retail trade. Losses in durable-goods industries accounted for most of the decline in manufacturing employment.

Factory Hours and Earnings. Manufacturing production workers in Ohio had an average workweek of 43.2 hours in December, up .6 hours from November. They grossed an average of $508.46 per week, up $11.32 from last month. Nearly all manufacturing industries had higher earnings in December. The most significant increases were in motor vehicles and equipment, electric lighting and wiring equipment, blast furnace and basic steel products, iron and steel foundries, and household appliances. The only notable decline in earnings occurred in commercial printing.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 109,051 in December, up 61.1 percent from November and up 3.9 percent from December 1985. Total benefits, at $58.1 million, rose 29.1 percent from last month. The average benefit check increased $.33, to $150.68. The average weekly number of benefit recipients rose 13,482, to 90,801. There were 193,872 active employer accounts at the end of December, up 394 from November.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Dr. Roberta Steinbacher, Administrator

SAVE MONEY, HIRE A VET

The Emergency Veterans' Job Training Program (EVJTA) was created to help industry fill permanent positions that involve significant training of at least six months to Korean conflict and Vietnam-era veterans.

* Employers are provided with 50 percent of the starting wage, up to $10,000 per veteran, when they hire and train veterans in a growth industry or a technology-based or demand occupation.

* Training will be funded for between six and nine months.

* Half the cost of training, up to $10,000, paid directly to the employer, is invoiced quarterly. Small businesses can arrange to invoice monthly.

Contact your nearest local OBES office for further information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Dec. 1986	Nov. 1986	Dec. 1985	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,290	5,266	5,186	24	104	0.5	2.0
Employment	4,872	4,887	4,749	-15	123	-0.3	2.6
Unemployment	418	379	437	39	-19	10.3	-4.3
Unemployment Rate	7.9	7.2	8.4				
Employer Survey Data[e]							
Total	4,569	4,557	4,449	12	120	0.3	2.7
Manufacturing	1,098	1,095	1,126	4	-27	0.3	-2.4
Durable Goods	747	744	772	4	-24	0.5	-3.2
Nondurable Goods	351	351	354	0	-3	0.0	-0.8
Nonmanufacturing	3,471	3,463	3,323	8	148	0.2	4.4
Mining	24	24	26	0	-2	0.4	-7.3
Construction	168	166	158	1	10	0.8	6.1
Transportation and Public Utilities	207	207	204	1	4	0.4	1.9
Wholesale Trade	258	257	251	1	7	0.2	2.7
Retail Trade	852	852	809	-1	43	-0.1	5.3
Finance, Insurance, and Real Estate	233	233	222	0	12	0.2	5.2
Services	1,050	1,045	984	5	66	0.5	6.7
Government	679	678	670	1	9	0.1	1.4
Goods Producing Industries[f]	1,290	1,285	1,310	5	-20	0.4	-1.5
Service Producing Industries[g]	3,279	3,272	3,139	7	140	0.2	4.5

[a] Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1984				
5,124	4,656	468	9.1	7.3	December	4,327	1,137	781	355
					1985				
5,111	4,667	444	8.7	7.4	January	4,323	1,134	779	355
5,135	4,678	457	8.9	7.3	February	4,328	1,133	778	356
5,143	4,673	470	9.1	7.2	March	4,343	1,129	774	355
5,148	4,684	464	9.0	7.3	April	4,358	1,127	772	355
5,071	4,659	412	8.1	7.2	May	4,376	1,127	772	355
5,065	4,623	442	8.7	7.3	June	4,367	1,123	769	354
5,100	4,626	474	9.3	7.3	July	4,376	1,118	767	351
5,104	4,645	459	9.0	7.1	August	4,384	1,116	763	353
5,154	4,678	476	9.2	7.1	September	4,394	1,110	757	353
5,154	4,688	466	9.0	7.1	October	4,410	1,115	763	353
5,181	4,723	458	8.8	7.0	November	4,430	1,121	767	354
5,186	4,749	437	8.4	7.0	December	4,449	1,126	772	354
					1986				
5,226	4,758	468	9.0	6.8	January	4,483	1,130	774	357
5,357	4,890	467	8.7	7.2	February	4,482	1,127	769	358
5,311	4,919	392	7.4	7.2	March	4,482	1,117	761	356
5,265	4,842	423	8.0	7.1	April	4,494	1,114	760	354
5,197	4,778	419	8.1	7.2	May	4,504	1,104	752	353
5,184	4,722	462	8.9	7.1	June	4,503	1,102	750	351
5,181	4,766	415	8.0	7.0	July	4,507	1,094	745	349
5,161	4,740	421	8.2	6.8	August	4,521	1,095	745	350
5,158	4,720	438	8.5	7.0	September	4,523	1,089	739	351
5,204	4,803	401	7.7	6.9	October	4,536	1,085	735	350
5,266	4,887	379	7.2	6.9	November	4,557	1,095	744	351
5,290	4,872	418	7.9	6.7	December	4,569	1,098	747	351

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
					1984				
3,190	27	151	203	242	December	767	214	925	660
					1985				
3,189	27	151	203	243	January	770	215	927	654
3,195	27	148	203	244	February	771	215	929	658
3,213	27	151	203	244	March	777	216	934	662
3,231	27	154	203	245	April	781	216	943	663
3,249	27	156	203	246	May	787	218	950	664
3,244	26	153	202	245	June	788	218	949	663
3,259	26	153	202	246	July	792	219	955	666
3,268	26	155	201	247	August	795	219	959	667
3,284	26	155	202	248	September	798	220	964	670
3,294	26	156	203	249	October	803	221	968	669
3,309	26	156	203	250	November	806	222	975	670
3,323	26	158	204	251	December	809	222	984	670
					1986				
3,353	27	160	204	252	January	820	223	991	677
3,356	26	159	204	253	February	824	224	993	673
3,365	26	158	204	254	March	828	225	997	674
3,380	26	161	204	254	April	831	226	1004	675
3,400	25	162	203	255	May	834	227	1016	678
3,401	25	162	198	254	June	837	228	1021	678
3,412	24	163	202	254	July	837	230	1026	677
3,426	24	163	204	255	August	842	230	1030	679
3,434	24	165	205	255	September	843	231	1033	679
3,450	24	165	206	256	October	850	232	1038	679
3,463	24	166	207	257	November	852	233	1045	678
3,471	24	168	207	258	December	852	233	1050	679

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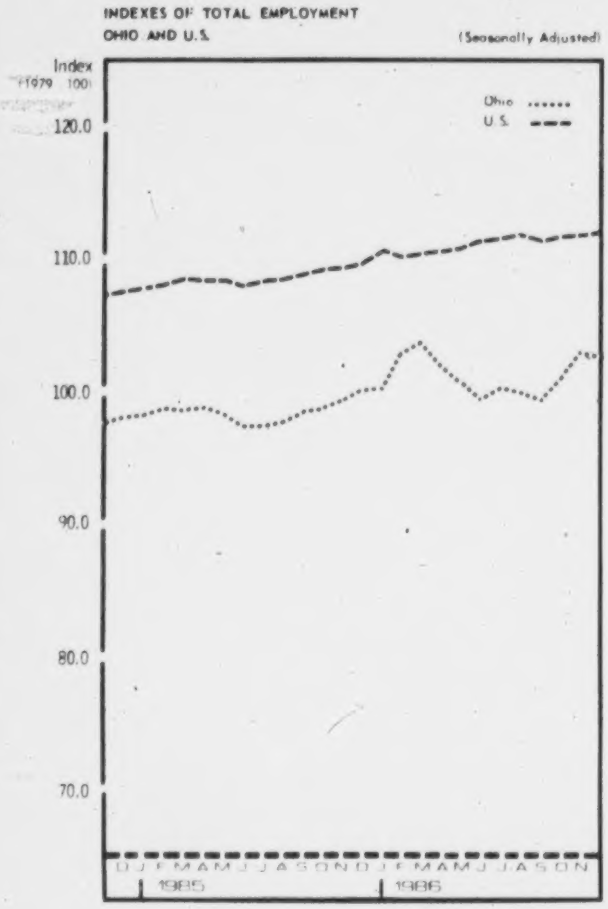
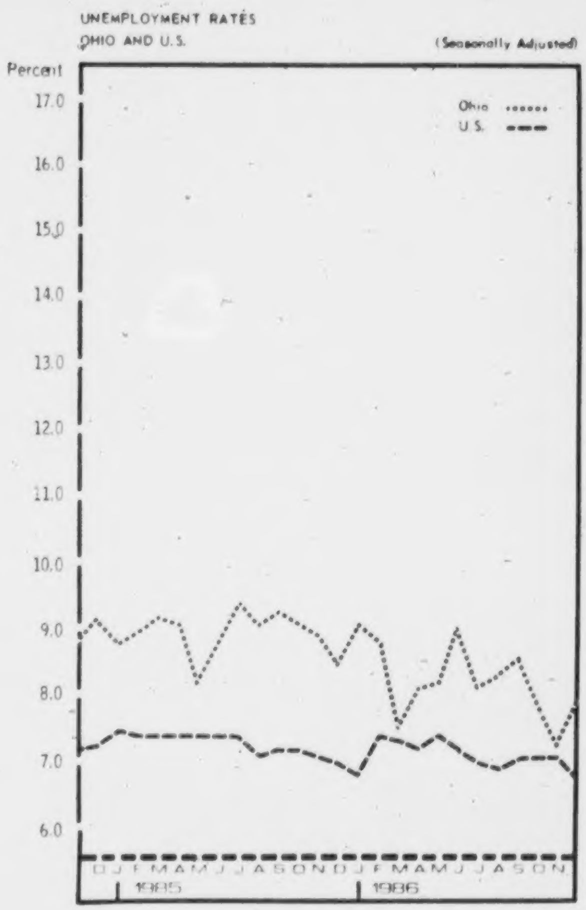
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.



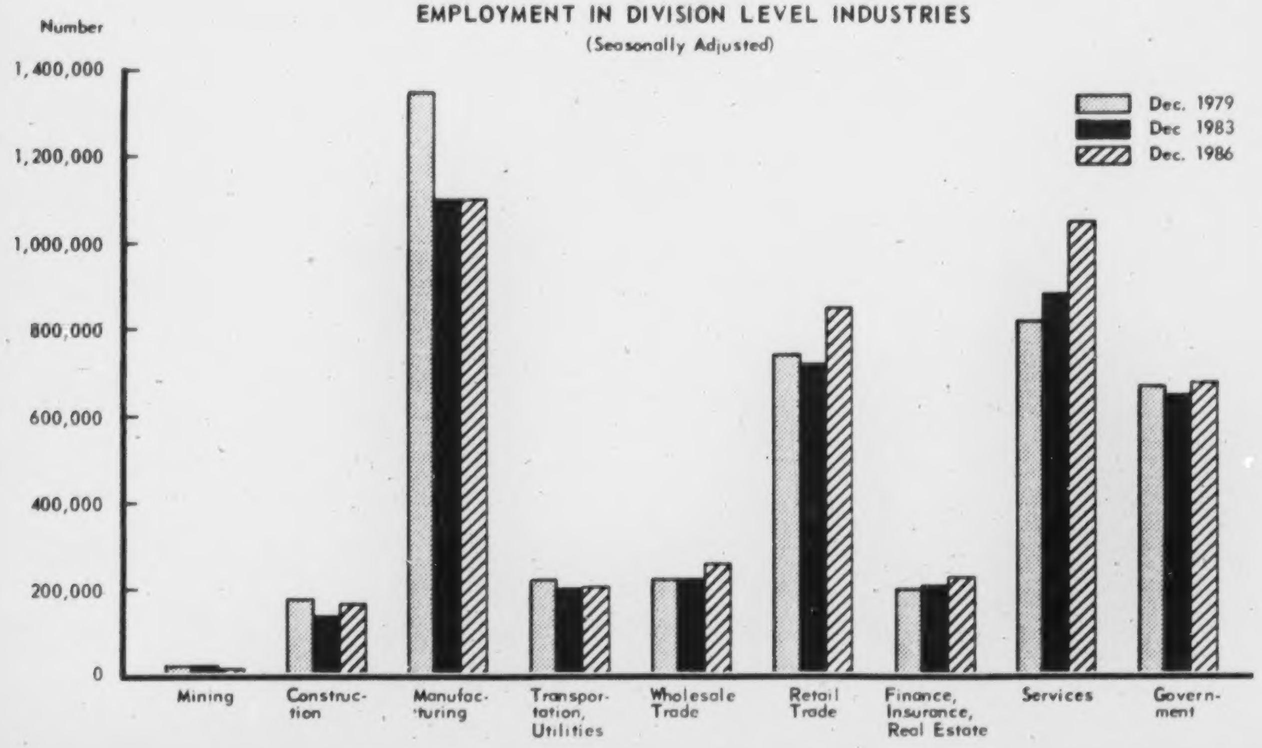
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)

EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,723	4,294	429	9.1	8.5	1975
4,751	4,380	370	7.8	7.7	1976
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,130	4,675	455	8.9	7.2	1985
					1985
5,156	4,721	436	8.5	6.7	December
					1986
5,121	4,647	474	9.3	7.3	January
5,212	4,740	472	9.1	7.8	February
5,226	4,812	414	7.9	7.5	March
5,217	4,804	413	7.9	7.0	April
5,180	4,791	389	7.5	7.0	May
5,259	4,802	457	8.7	7.3	June
5,287	4,875	412	7.8	7.0	July
5,255	4,832	422	8.0	6.7	August
5,184	4,750	434	8.4	6.8	September
5,259	4,851	408	7.8	6.6	October
5,279	4,891	388	7.3	6.6	November
5,256	4,839	418	7.9	6.3	December

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1975	4,016.2	1,267.5	892.4	375.1
1976	4,094.6	1,295.3	910.6	384.6
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,378.6	1,123.1	269.1	354.0
1985				
December	4,483.7	1,123.6	769.5	354.1
1986				
January	4,393.4	1,119.3	766.2	352.7
February	4,387.1	1,114.2	761.2	353.0
March	4,418.5	1,111.9	759.1	352.7
April	4,481.6	1,110.8	759.6	351.2
May	4,533.2	1,105.7	753.8	351.9
June	4,549.1	1,109.3	756.1	353.2
July	4,515.6	1,096.8	746.5	350.3
August	4,526.0	1,098.5	744.4	354.1
September	4,570.1	1,100.3	743.9	356.4
October	4,584.4	1,089.2	737.4	351.9
November	4,602.2	1,096.7	745.0	351.7
December	4,605.7	1,096.0	744.9	351.1

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
2,748.7	26.8	154.9	213.2	203.5	1975	664.5	173.1	686.3	626.4
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,255.5	26.4	154.1	202.5	246.5	1985	789.8	218.3	953.3	664.7
					1985				
3,360.1	26.2	155.7	204.4	251.2	December	838.7	221.6	976.5	685.8
					1986				
3,274.0	25.9	134.9	199.3	249.5	January	802.2	221.3	965.7	675.2
3,272.9	25.4	129.8	199.4	249.4	February	790.3	222.0	972.0	684.7
3,306.7	24.9	135.7	200.4	251.2	March	801.3	223.0	982.1	688.1
3,370.8	25.0	150.9	202.6	253.1	April	821.4	225.1	1,005.4	687.3
3,427.5	25.1	162.5	203.9	254.5	May	836.8	227.4	1,024.9	692.4
3,439.8	25.0	170.8	200.3	255.8	June	843.2	229.9	1,037.9	677.0
3,418.8	25.1	178.2	204.4	255.9	July	843.8	232.5	1,038.1	640.9
3,427.5	24.8	182.0	206.2	256.6	August	850.1	232.8	1,039.8	635.3
3,469.8	24.5	182.9	207.1	256.3	September	853.1	231.7	1,047.0	667.2
3,495.2	24.4	183.2	207.7	256.9	October	857.7	231.7	1,044.4	689.0
3,505.5	24.5	176.9	207.6	257.7	November	869.3	232.3	1,043.9	693.3
3,509.8	24.3	165.4	208.2	258.0	December	883.1	233.2	1,042.5	695.2

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment

(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers* (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (millions)
1,267.5	892.4	375.1	1975	897.8	$201.5	36.2
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,123.1	769.1	354.0	1985	773.4	369.7	32.5
			1985			
1,123.6	769.5	354.1	December	773.5	387.2	33.3
			1986			
1,119.3	766.7	352.7	January	769.1	375.5	32.5
1,114.2	761.2	353.0	February	764.1	373.4	32.2
1,111.9	759.1	352.7	March	762.5	372.3	32.2
1,110.8	759.6	351.2	April	761.7	366.8	31.8
1,105.7	753.8	351.9	May	757.0	363.5	31.6
1,109.3	756.1	353.2	June	758.9	365.7	31.8
1,096.8	746.5	350.3	July	745.8	354.8	30.9
1,098.5	744.4	354.1	August	747.8	360.0	31.3
1,100.3	743.9	356.4	September	750.7	365.8	31.8
1,089.2	737.4	351.9	October	740.7	358.1	31.0
1,096.7	745.0	351.7	November	749.7	372.7	31.9
1,096.0	744.9	351.1	December	749.2	380.9	32.4

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$224.47	$228.90	$211.85	1975
252.54	258.75	235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
			1985
500.52	526.44	439.10	December
			1986
488.25	511.70	434.51	January
488.68	512.90	432.41	February
488.25	512.48	433.46	March
481.54	504.71	426.59	April
480.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	438.19	July
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.46	529.83	457.07	December

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
40.3	40.3	40.2	1975
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
			1985
43.0	43.4	42.1	December
			1986
42.2	42.5	41.7	January
42.2	42.6	41.3	February
42.2	42.6	41.4	March
41.8	42.2	40.9	April
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.2	43.5	42.4	December

Production Workers* Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1975	$5.57	$5.68	$5.27
1976	6.10	6.25	5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1985			
December	11.64	12.13	10.43
1986			
January	11.57	12.04	10.42
February	11.58	12.04	10.47
March	11.57	12.03	10.47
April	11.52	11.96	10.43
May	11.49	11.90	10.53
June	11.50	11.90	10.57
July	11.49	11.86	10.61
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.77	12.18	10.78

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

	Stone Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	102.7	138.9	166.2	90.5	151.7	62.7	66.6	91.0
1985 December	49.8	102.7	137.3	163.4	89.0	158.3	63.0	67.6	91.1
1986 January	49.3	103.0	136.6	163.0	89.1	157.9	62.6	67.3	90.8
February	48.7	102.8	136.0	160.7	88.2	156.3	62.4	67.1	91.7
March	48.6	102.6	136.7	160.2	87.7	154.2	62.3	67.3	91.7
April	50.0	102.5	136.2	159.7	88.4	153.3	61.6	67.3	91.4
May	50.0	101.7	135.8	158.6	87.7	149.7	62.8	67.3	90.9
June	50.5	100.3	135.9	158.2	87.7	152.8	63.5	67.3	91.3
July	50.3	96.9	133.6	156.8	87.1	152.3	63.8	67.3	88.7
August	50.6	94.8	133.7	156.1	88.4	150.0	67.1	67.3	88.7
September	50.4	92.9	135.3	156.0	88.1	150.1	67.5	67.6	89.6
October	48.5	93.8	134.1	150.5	88.1	151.4	63.9	67.7	89.1
November	49.2	96.6	134.4	153.9	88.2	152.6	63.3	67.8	89.4
December	49.0	97.0	133.8	154.0	88.0	153.1	63.4	67.5	89.2

Average Weekly Earnings of Production Workers

	Stone Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1975	$207.55	$256.46	$224.96	$228.25	$201.30	$263.22	$222.68	$226.95	$213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1985 December	441.60	565.30	519.50	489.46	466.99	677.37	405.87	424.51	443.23
1986 January	437.22	555.59	500.65	480.11	454.30	649.52	405.32	403.37	442.96
February	434.84	561.19	496.18	483.51	460.06	652.24	402.98	400.62	438.44
March	446.37	550.78	506.32	489.20	459.80	644.67	395.39	408.67	438.60
April	444.11	546.40	495.01	482.22	452.79	632.60	399.10	398.91	423.43
May	446.37	547.80	486.36	481.20	451.28	620.54	419.67	407.33	433.15
June	443.56	546.89	494.06	483.07	450.58	616.40	417.91	402.80	443.66
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	447.62	559.68	494.38	485.41	464.88	629.31	420.33	417.40	441.34
October	447.44	563.50	488.36	482.58	456.77	610.76	426.72	418.95	443.23
November	442.08	583.73	503.01	492.33	471.33	646.46	423.85	429.37	447.38
December	440.34	599.35	514.40	503.58	495.30	657.48	437.38	425.71	449.89

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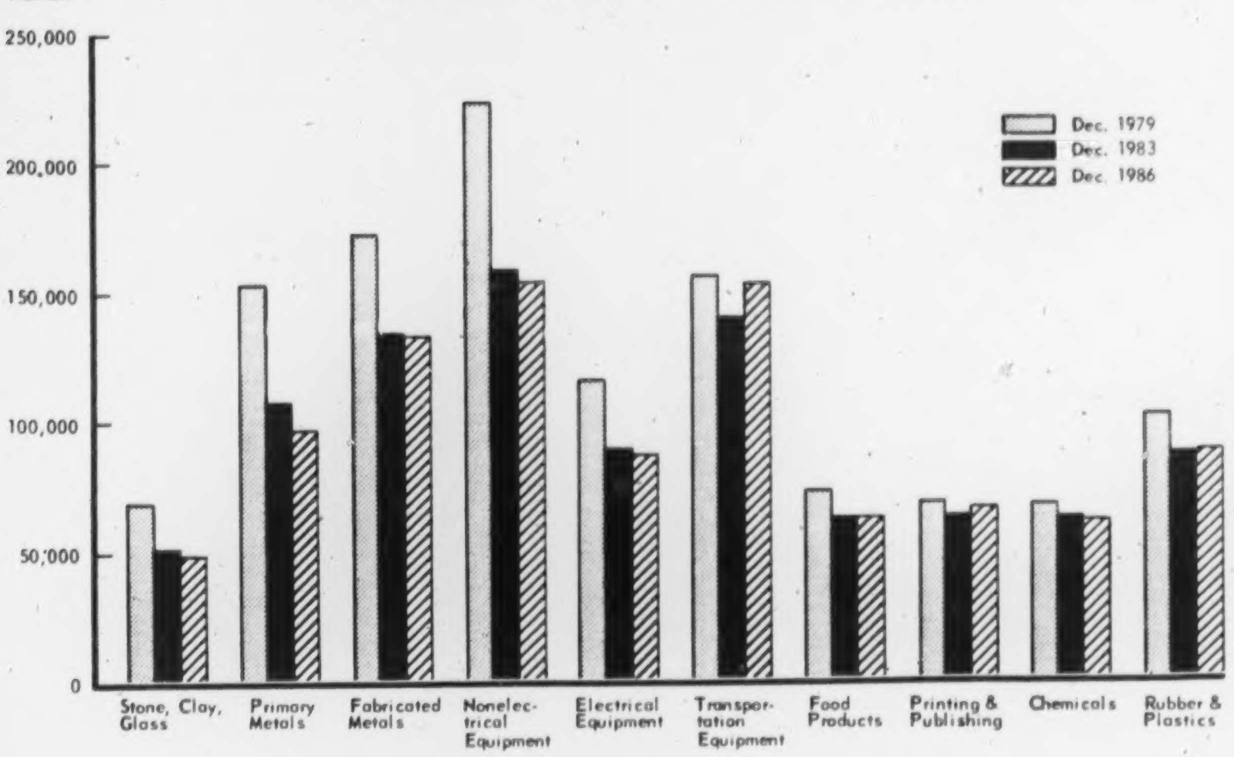
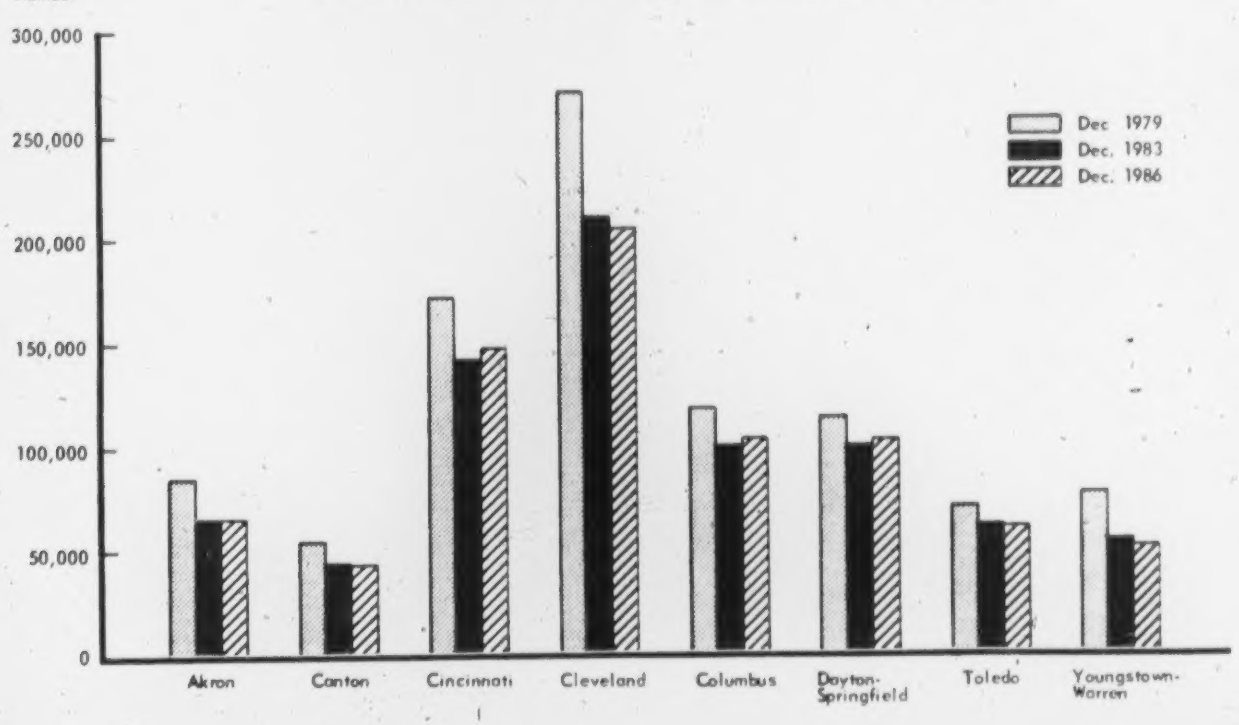
[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[p]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	4605.7	4602.2	4483.7	3.6	122.1
MANUFACTURING	1096.0	1096.7	1123.6	- .7	- 27.6
Durable Goods[e]	744.9	745.0	769.5	- .1	- 24.6
Lumber and wood products	18.5	18.7	17.2	- .2	1.3
Furniture and fixtures	14.8	14.7	14.3	.1	.5
Stone, clay, and glass products	49.0	49.2	49.8	- .2	- .8
Glass and glassware, pressed or blown	11.4	11.2	10.9	.1	.4
Primary metal industries	97.0	96.5	102.7	.4	- 5.8
Blast furnace and basic steel products	44.2	44.0	46.7	.1	- 2.5
Iron and steel foundries	19.5	19.5	21.2	.1	- 1.7
Nonferrous rolling and drawing	18.3	18.2	19.0	.1	- .7
Fabricated metal products	133.8	134.4	137.3	- .5	- 3.4
Cutlery, hand tools, and hardware	10.1	10.2	11.2	.0	- 1.1
Fabricated structural metal products	28.3	28.5	28.3	- .2	.1
Metal forgings and stampings	42.2	41.9	43.3	.3	- 1.1
Machinery, except electrical	154.0	153.9	163.4	.2	- 9.4
Construction and related machinery	13.0	13.0	14.6	.0	- 1.7
Metalworking machinery	39.5	39.8	41.5	- .3	- 2.0
Special industry machinery	15.7	15.7	18.1	.0	- 2.5
General industrial machinery	28.1	27.9	30.0	.2	- 1.9
Office and computing machines	13.5	13.6	13.2	- .1	.3
Refrigeration and service machinery	16.7	16.6	16.7	.1	.0
Electric and electronic equipment	88.0	88.2	89.0	- .2	- 1.0
Electrical industrial apparatus	16.6	16.7	17.4	- .2	- .8
Household appliances	17.1	17.2	17.0	- .1	.1
Electric lighting and wiring equipment	17.3	17.1	17.5	.2	- .2
Communication equipment	10.0	10.0	10.5	.0	- .5
Transportation equipment	153.1	152.6	158.3	.5	- 5.2
Motor vehicles and equipment	96.9	96.4	103.6	.5	- 6.7
Aircraft and parts	47.5	47.3	46.3	.2	1.2
Instruments and related products	22.7	22.8	23.5	.0	- .8
Measuring and controlling devices	12.5	12.6	12.6	- .1	- .1
Nondurable Goods[f]	351.1	351.7	354.1	- .6	- 3.0
Food and kindred products	63.4	63.3	63.0	.2	.4
Meat products	10.2	10.1	10.3	.1	- .1
Dairy products	9.7	9.6	10.0	.0	- .3
Preserved fruits and vegetables	10.9	10.9	10.4	.1	.5
Bakery products	9.0	8.9	8.7	.1	.3
Beverages	10.0	10.2	10.2	- .2	- .2
Apparel and other textile products	16.4	16.9	16.8	- .4	- .4
Paper and allied products	36.5	36.5	36.9	.0	- .4
Misc. converted paper products	12.1	12.1	12.2	.0	.0
Paperboard containers and boxes	11.8	11.8	11.9	.0	- .1
Printing and publishing	67.5	67.8	67.6	- .3	- .1
Newspapers	19.1	19.0	19.1	.1	.0
Commercial printing	25.9	26.1	25.8	- .2	.1
Chemicals and allied products	61.5	61.2	61.4	.3	.1
Industrial inorganic chemicals	9.6	9.6	9.4	.0	.2
Rubber and misc. plastics products	89.2	89.4	91.1	- .2	- 1.9
Tires and inner tubes	18.1	18.2	18.7	- .1	- .6
Miscellaneous plastics products	52.1	52.1	52.4	.0	- .3

See footnotes on page 13

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[c] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
NONMANUFACTURING	3609.8	3605.5	3365.1	4.3	244.7
MINING	24.3	24.5	25.2	- .2	- .9
Bituminous coal and lignite mining	14.7	14.9	13.9	- .2	.8
Oil and gas extraction	9.5	9.4	10.9	.1	- 1.4
CONSTRUCTION	165.4	176.9	155.7	- 11.5	9.7
General building contractors	43.5	45.6	42.2	- 2.1	1.3
Heavy construction contractors	20.0	24.4	15.6	- 4.4	4.4
Highway and street construction	8.2	11.2	7.5	- 3.0	.7
Special trade contractors	101.9	107.0	96.9	- 5.1	5.0
TRANSPORTATION AND PUBLIC UTILITIES	208.2	207.6	204.4	.6	3.8
Railroad transportation	15.0	15.3	16.2	- .3	- 1.2
Transportation except railroads	105.0	103.8	98.5	1.2	6.5
Trucking and warehousing	75.5	74.4	71.1	1.1	4.4
Communication, electric, gas services	88.2	88.3	89.9	- .1	- 1.7
Communication	47.6	47.7	49.1	- .1	- 1.5
Electric, gas, and sanitary services	40.6	40.7	40.8	- .1	- .2
WHOLESALE TRADE	258.0	257.7	251.2	.3	6.7
Wholesale trade-durable goods	164.1	163.9	160.0	.2	4.1
Motor vehicles & automotive equipment	25.0	25.2	24.7	- .2	.3
Electrical goods	21.9	21.7	21.1	.2	.8
Machinery, equipment, and supplies	68.8	68.7	67.1	.1	1.7
Wholesale trade-nondurable goods	93.9	93.8	91.2	.1	2.6
Groceries and related products	29.6	29.5	28.2	.1	1.4
RETAIL TRADE	883.1	869.3	838.7	13.8	44.4
General merchandise stores	133.0	126.7	128.2	6.3	4.8
Department stores	122.3	116.4	117.9	5.9	4.4
Food stores	134.4	132.4	131.8	2.0	2.6
Automotive dealers & service stations	95.2	95.1	89.3	.1	5.9
Apparel and accessory stores	44.2	42.3	40.9	1.9	3.3
Eating and drinking places	299.4	299.6	286.1	- .2	13.3
FINANCE, INSURANCE, AND REAL ESTATE	233.2	232.3	221.7	.9	11.5
Banking	63.1	62.8	61.2	.3	1.9
Credit agencies other than banks	36.9	36.8	34.6	.1	2.3
Insurance carriers	60.4	60.0	58.3	.4	2.1
Life insurance	21.3	21.1	21.3	.2	.0
Fire, marine, and casualty insurance	28.7	28.7	27.9	.0	.8
SERVICES	1042.5	1043.9	976.5	- 1.4	66.0
Hotels and other lodging places	33.9	34.3	32.8	- .4	1.1
Personal services	58.3	57.9	53.4	.4	4.9
Laundry, cleaning, & garment services	19.3	19.5	18.5	- .2	.8
Business services	206.9	206.0	184.2	.9	22.7
Services to buildings	29.5	29.5	27.3	.0	2.2
Computer and data processing services	20.5	20.3	16.9	.2	3.6
Amusement and recreation services	35.7	36.9	32.0	- 1.2	3.7
Health services	349.4	348.4	334.3	1.1	15.1
Nursing and personal care facilities	74.1	73.9	71.9	.2	2.2
Hospitals	173.9	173.4	167.3	.5	6.6
Educational services	68.1	69.8	65.2	- 1.7	2.9
Colleges and universities	39.6	41.1	36.2	- 1.5	3.4
GOVERNMENT	695.2	693.4	685.8	1.8	9.4
Federal government	93.0	92.4	92.9	.6	.1
State government	155.9	155.1	152.4	.7	3.4
State government education	84.3	83.9	82.9	.3	1.4
State government, except education	71.6	71.2	69.5	.4	2.1
Local government	446.3	445.9	440.5	.4	5.8
Local government education	263.0	262.3	257.7	.7	5.3
Local government, except education	183.3	183.6	182.8	- .3	.5

See footnotes on page 13

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$508.46	$497.14	$500.52	43.2	42.6	43.0	$11.77	$11.67	$11.64
Durable Goods'	529.83	517.80	526.44	43.5	42.9	43.4	12.18	12.07	12.13
Lumber and wood products	293.85	297.66	290.24	40.7	41.0	40.2	7.22	7.26	7.22
Furniture and fixtures	355.72	349.81	349.83	41.8	41.3	41.4	8.51	8.47	8.45
Stone, clay, and glass products	440.34	442.08	441.60	41.0	41.2	41.7	10.74	10.73	10.59
Glass and glassware, pressed or blown	465.09	467.62	464.94	40.5	41.2	41.0	11.48	11.35	11.34
Primary metal industries	599.35	583.73	565.30	44.2	43.4	42.6	13.56	13.45	13.27
Blast furnace and basic steel products	614.08	596.63	530.27	43.8	42.8	39.9	14.02	13.94	13.29
Iron and steel foundries	666.92	630.54	636.87	46.9	45.2	45.2	14.22	13.95	14.09
Nonferrous rolling and drawing	565.26	570.91	614.98	41.2	41.4	43.4	13.72	13.79	14.17
Fabricated metal products	514.40	503.01	519.50	43.3	42.7	43.4	11.89	11.78	11.97
Cutlery, hand tools, and hardware	486.81	487.12	540.11	40.7	40.9	42.9	12.01	11.91	12.59
Fabricated structural metal products	455.86	457.95	440.48	43.1	43.0	43.1	10.60	10.65	10.22
Metal forgings and stampings	662.65	639.12	670.22	45.7	44.6	45.5	14.50	14.33	14.73
Machinery, except electrical	503.58	492.33	489.46	43.3	42.7	43.2	11.63	11.53	11.33
Construction and related machinery	424.32	421.45	393.42	41.6	41.4	39.5	10.20	10.18	9.96
Metalworking machinery	489.63	475.94	478.51	43.6	42.8	43.9	11.23	11.12	10.90
Special industry machinery	486.82	473.19	492.55	43.7	42.9	44.9	11.14	11.03	10.97
General industrial machinery	523.44	515.46	485.72	42.8	42.6	42.2	12.23	12.10	11.51
Office and computing machines	428.74	414.29	413.36	44.2	43.2	44.4	9.70	9.59	9.31
Refrigeration and service machinery	569.28	568.38	616.52	42.9	42.8	45.1	13.27	13.28	13.67
Electric and electronic equipment	495.30	471.33	466.99	43.6	42.5	42.3	11.36	11.09	11.04
Electrical industrial apparatus	442.08	445.71	446.37	41.2	41.5	41.6	10.73	10.74	10.73
Household appliances	533.98	493.19	476.52	45.1	43.3	41.8	11.84	11.39	11.40
Electric lighting and wiring equipment	540.02	486.36	459.82	44.3	42.0	41.5	12.19	11.58	11.08
Communication equipment	494.08	498.72	516.00	41.8	42.3	43.0	11.82	11.79	12.00
Transportation equipment	657.48	546.46	677.37	45.5	44.6	46.3	14.45	14.43	14.63
Motor vehicles and equipment	672.89	660.67	720.27	45.1	44.4	47.2	14.92	14.88	15.26
Aircraft and parts	631.85	624.70	565.80	46.7	45.9	44.1	13.53	13.61	12.83
Instruments and related products	372.91	364.72	388.92	40.8	40.3	42.0	9.14	9.05	9.26
Measuring and controlling devices	344.36	348.04	391.11	37.8	38.5	41.3	9.11	9.04	9.47
Nondurable Goods'	457.07	449.40	439.10	42.4	42.0	42.1	10.78	10.70	10.43
Food and kindred products	437.38	423.85	405.87	42.3	41.8	41.5	10.34	10.14	9.78
Meat products	374.63	379.86	371.46	40.5	41.2	41.0	9.25	9.22	9.06
Dairy products	468.29	459.88	449.24	43.4	43.1	43.7	10.79	10.67	10.28
Preserved fruits and vegetables	416.72	402.52	372.08	41.3	40.7	40.4	10.09	9.89	9.21
Bakery products	464.90	468.33	435.86	39.6	40.2	38.2	11.74	11.65	11.41
Beverages	415.49	413.59	402.52	41.8	41.4	40.7	9.94	9.99	9.89
Apparel and other textile products	272.54	268.46	272.06	37.8	37.6	38.7	7.21	7.14	7.03
Paper and allied products	505.80	493.50	485.50	45.0	44.3	44.5	11.24	11.14	10.91
Misc. converted paper products	467.41	454.82	436.92	44.9	44.2	44.0	10.41	10.29	9.93
Paperboard containers and boxes	443.12	432.72	416.02	43.7	43.1	42.8	10.14	10.04	9.72
Printing and publishing	425.71	429.37	424.51	39.2	39.5	40.2	10.86	10.87	10.56
Newspapers	379.01	361.53	341.63	36.2	35.1	34.3	10.47	10.30	9.96
Commercial printing	414.96	433.78	439.03	39.9	41.0	42.5	10.40	10.58	10.33
Chemicals and allied products	536.98	521.59	508.22	43.2	42.2	42.6	12.43	12.36	11.93
Industrial inorganic chemicals	549.05	555.10	573.20	41.5	41.8	44.4	13.23	13.28	12.91
Rubber and misc. plastics products	449.89	447.38	443.23	43.3	43.1	43.2	10.39	10.38	10.26
Tires and inner tubes	635.15	634.20	613.80	45.4	45.3	45.5	13.99	14.00	13.49
Miscellaneous plastics products	436.03	435.89	432.29	43.3	43.2	43.1	10.07	10.09	10.03

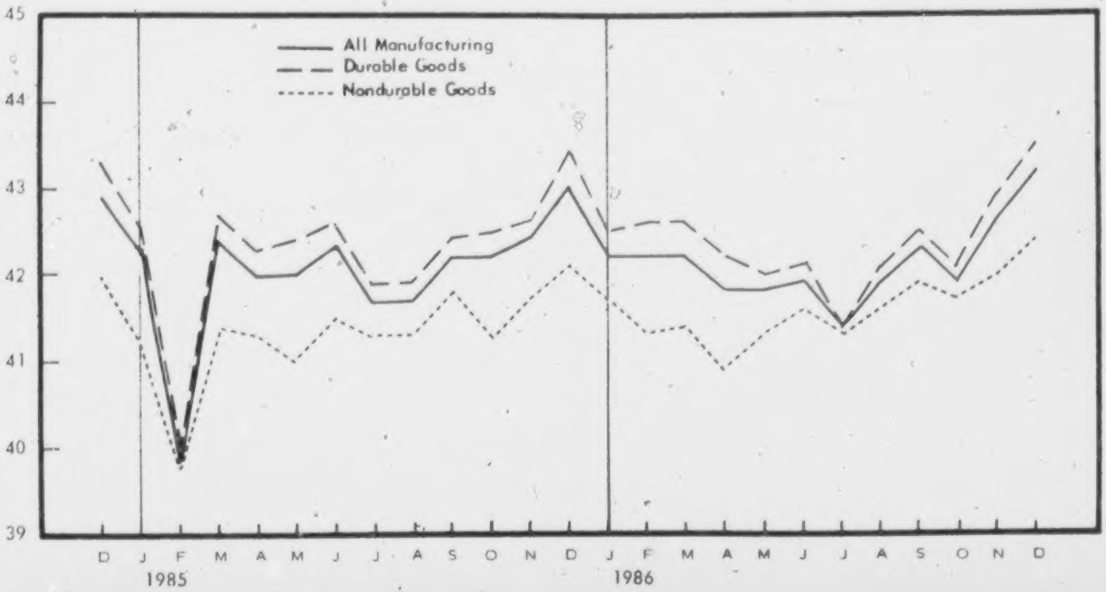
See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

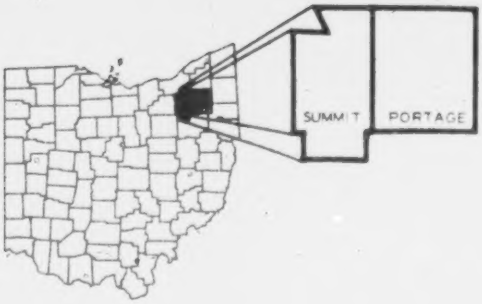
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MINING	$547.58	$528.96	$516.56	44.7	43.5	44.0	$12.25	$12.15	$11.74
Bituminous coal and lignite mining	651.99	623.83	616.97	42.2	40.8	41.8	15.45	15.29	14.76
CONSTRUCTION	559.36	565.74	586.59	38.0	38.2	37.9	14.72	14.81	15.48
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	549.40	551.26	529.72	41.0	41.2	41.0	13.40	13.38	12.92
Communication	543.45	541.82	525.44	40.8	40.8	40.7	13.32	13.28	12.91
Electric, gas, and sanitary services	557.55	561.60	537.01	41.3	41.6	41.5	13.50	13.50	12.94
WHOLESALE TRADE	372.09	371.99	360.64	39.5	39.7	39.5	9.42	9.37	9.13
Wholesale trade-durable goods	356.70	354.72	357.70	39.6	39.6	39.7	9.26	9.21	9.01
Wholesale trade-nondurable goods	381.39	382.71	365.59	39.4	39.7	39.1	9.68	9.64	9.35
RETAIL TRADE[g]	159.82	157.32	159.72	28.9	28.5	29.2	5.53	5.52	5.47
General merchandise stores	178.09	174.89	185.05	30.6	29.1	31.1	5.82	6.01	5.95
Department stores	182.39	179.26	189.40	30.6	29.1	31.1	5.96	6.16	6.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	252.11	250.72	243.66	....	....	....	.....	.....	.....
Credit agencies other than banks	247.19	243.87	235.43	....	....	....	.....	.....	.....
Insurance carriers	343.80	342.96	312.36	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	320.08	320.41	312.31	33.1	33.1	33.8	9.67	9.68	9.24

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Money payments only, tips not included. [h] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



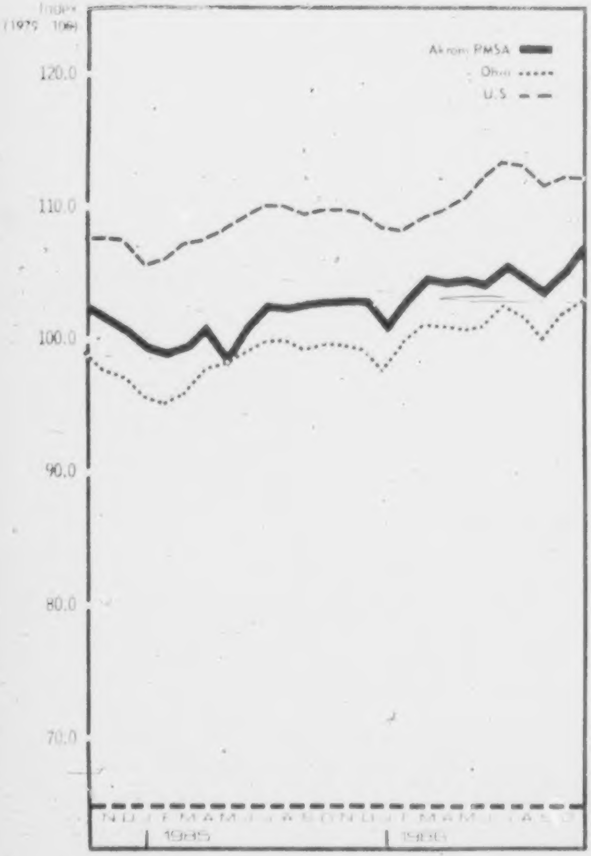
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



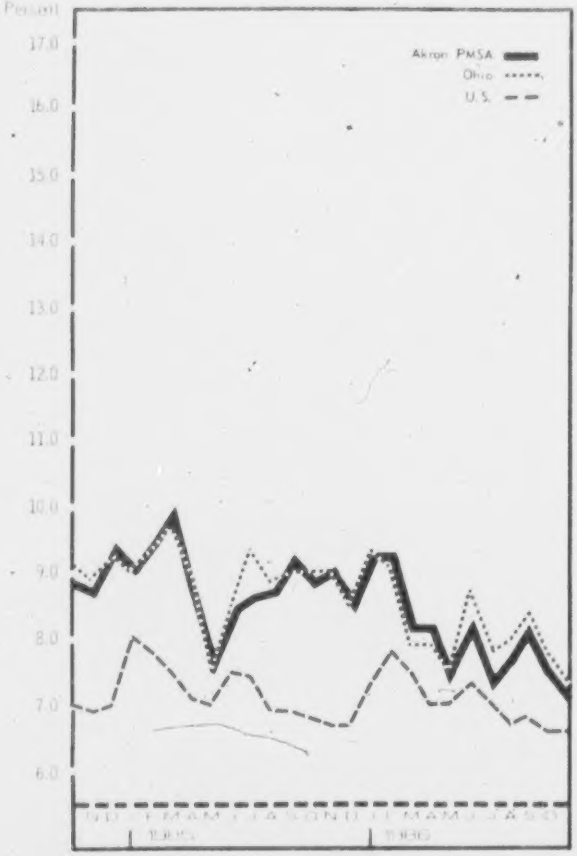
Nonagricultural wage and salary employment in the Akron area rose 300 from November, to 273,300 in December. Nonmanufacturing employment accounted for the slight growth, as the loss in construction was more than offset by the gain in retail trade. Employment in manufacturing remained unchanged at 65,800. Production workers worked a 43.7 hour workweek at $11.48 per hour, an increase of .5 hours and $.10, respectively, from the previous month.

Nonfarm wage and salary employment advanced 8,900 from December 1985. Gains were recorded in all nonmanufacturing divisions. The major areas of expansion were retail trade, services, and construction. Declines in fabricated metal products, nonelectrical machinery, and rubber and miscellaneous plastics products (tires and inner tubes) led to the loss of 1,000 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



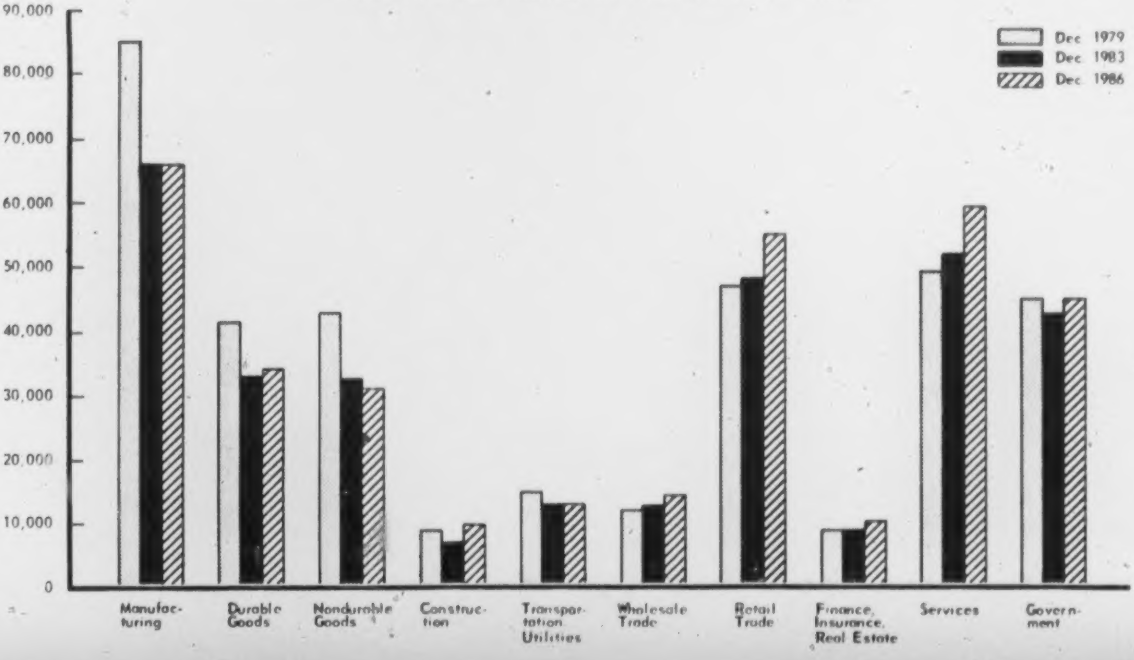
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
292.0	264.3	27.7	9.5	1975	248.4	84.5	48.4	$232.63	41.1	$ 5.66
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	253.44	42.1	6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.4	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
316.4	288.5	2[illegible].9	8.8	1985	258.3	67.9	37.3	475.20	43.2	11.00
				1985						
322.1	293.3	28.9	9.0	November	264.0	67.2	36.9	474.29	43.0	11.03
319.9	293.0	26.9	8.4	December	264.3	66.8	36.7	494.36	44.1	11.21
				1986						
316.2	287.3	29.0	9.2	January	257.9	66.4	36.2	473.97	42.7	11.10
323.0	293.4	29.6	9.2	February	258.5	66.5	36.2	479.70	43.1	11.13
323.8	297.7	26.1	8.1	March	260.6	66.6	36.2	485.90	43.5	11.17
323.2	297.2	26.0	8.1	April	264.6	66.5	36.1	476.87	43.0	11.09
321.2	297.7	23.5	7.3	May	268.9	65.4	36.0	475.58	43.0	11.06
323.0	296.6	26.4	8.2	June	267.1	66.5	36.1	492.12	43.9	11.21
324.3	301.0	23.3	7.2	July	265.1	65.6	35.2	472.86	42.6	11.10
322.3	297.6	24.7	7.7	August	264.6	65.2	35.1	491.81	43.6	11.28
321.9	295.6	26.3	8.2	September	271.4	65.7	35.8	490.16	43.3	11.32
325.2	300.8	24.4	7.5	October	271.2	65.6	35.5	488.91	43.0	11.37
328.3	305.0	23.3	7.1	November	273.0	65.8	35.7	491.62	43.2	11.38
INA	INA	INA	INA	December	273.3	65.9	35.7	501.68	43.7	11.48

INA-Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	273.3	273.0	264.3	.3	8.9
MANUFACTURING	65.8	65.8	66.8	.0	- 1.0
Durable Goods	34.5	34.5	35.3	- .1	- .8
Fabricated metal products	12.3	12.3	12.9	.0	- .5
Machinery, except electrical	9.0	9.0	9.5	.0	- .5
Metalworking machinery	2.9	2.9	3.1	.0	- .2
Nondurable Goods	31.3	31.3	31.5	.1	- .2
Food and kindred products	2.6	2.5	2.8	.0	- .3
Chemicals and allied products	2.7	2.7	2.7	.0	.0
Rubber and misc. plastics products	20.6	20.7	20.8	- .1	- .2
Tires and inner tubes	13.6	13.6	14.2	- .1	- .7
NONMANUFACTURING	207.4	207.2	197.5	.3	9.9
CONSTRUCTION	9.7	10.6	8.4	- 1.0	1.3
TRANSPORTATION AND PUBLIC UTILITIES	13.3	13.3	13.0	.0	.3
Communication, electric, gas services	5.3	5.3	5.2	.0	.1
WHOLESALE TRADE	14.5	14.4	13.8	.1	.7
RETAIL TRADE	55.4	54.3	52.2	1.1	3.2
General merchandise stores	8.4	8.0	7.7	.4	.7
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.4	9.9	.1	.6
Banking	3.3	3.3	3.2	.0	.1
SERVICES	58.7	58.7	55.4	.0	3.2
Business services	12.3	12.2	11.0	.1	1.3
Amusement and recreation services	2.9	2.9	2.4	.0	.5
Health services	17.5	17.4	17.4	.1	.1
GOVERNMENT	44.7	44.7	44.1	.0	.6
State government	15.9	15.8	15.6	.1	.3
State government education	13.0	13.0	12.7	.0	.3
State government, except education	2.9	2.9	2.9	.1	.0
Local government	26.4	26.5	26.2	- .1	.3
Local government education	14.7	14.6	14.4	.1	.2
Local government, except education	11.8	11.9	11.7	- .2	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$501.68	$491.62	$494.36	43.7	43.2	44.1	$11.48	$11.38	$11.21
Durable Goods[e]	526.11	515.66	511.67	44.1	43.7	44.3	11.93	11.80	11.55
Fabricated metal products	672.90	665.62	633.86	46.6	46.0	45.7	14.44	14.47	13.87
Machinery, except electrical	446.60	436.80	452.89	44.0	44.3	45.7	10.15	9.86	9.91
Metalworking machinery	451.26	439.88	436.43	43.6	43.9	44.9	10.35	10.02	9.72
Nondurable Goods[f]	465.70	456.67	467.35	43.2	42.5	43.8	10.78	10.72	10.67
Food and kindred products	472.63	456.18	470.21	43.4	42.2	43.7	10.89	10.81	10.76
Chemicals and allied products	458.27	451.07	443.88	41.1	40.6	41.1	11.15	11.11	10.80
Rubber and misc. plastics products	494.83	485.10	496.10	44.7	44.1	45.1	11.07	11.00	11.00
Tires and inner tubes	710.03	709.04	690.57	48.4	48.3	48.7	14.67	14.68	14.18
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	554.60	567.84	544.16	40.9	41.6	41.1	13.56	13.65	13.24
WHOLESALE TRADE	322.87	313.96	323.55	38.3	37.6	38.2	8.43	8.35	8.47
RETAIL TRADE[h]	198.06	192.20	175.82	32.1	31.1	29.5	6.17	6.18	5.96

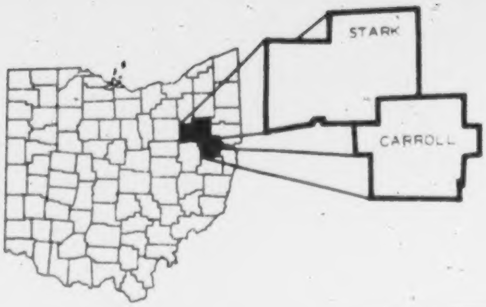
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. [j] Excludes the agricultural extension service and the Ohio Department of Education. [k] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	2,213	2,217
Active File of Job Seekers	INA	20,390	25,744
Referrals to Jobs	INA	977	822
Placements	INA	372	678
Job Openings Received	INA	501	355
Job Openings Unfilled	INA	694	1,194
Unemployment Insurance Program			
Initial Claims	5,949	3,815	5,926
Continued Claims	35,499	25,231	37,498
First Payments	1,928	1,245	2,091
Last Payments	370	371	498
Weeks Compensated	22,890	17,108	25,904
Benefits Paid	$3,357,683	$2,476,167	$3,735,710
Average Weekly Payment	$150.40	$148.59	$148.32

INA - Information Not Available.

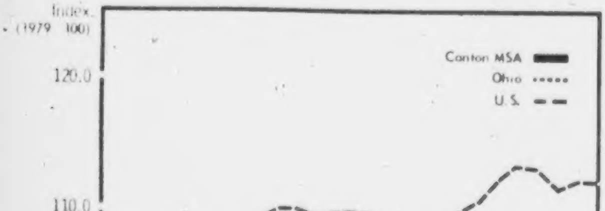
CANTON
METROPOLITAN STATISTICAL AREA



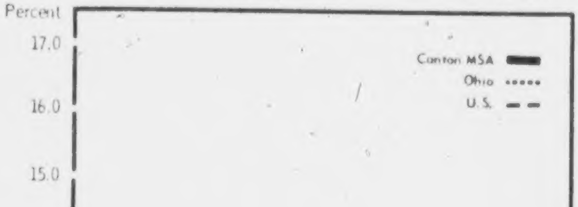
Canton's nonagricultural wage and salary employment totaled 159,400 in December, unchanged from November. Manufacturing employment fell 300, to 43,700. The loss was concentrated in durable-goods industries. Nonmanufacturing employment rose 400, over the month, as gains in retail trade offset losses in construction. Manufacturing production workers averaged a 41.7 hour workweek, up .5 hours from November. Their average hourly earnings were $11.41, down $.03 from the previous month.

Nonfarm wage and salary employment increased 3,700 from December 1985. Most nonmanufacturing divisions recorded an increase in employment. The primary sectors of growth were retail trade and services. Manufacturing employment fell 2,300 over the year, as general declines were recorded in fabricated metal products, rubber and miscellaneous plastics products, and primary metal industries.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



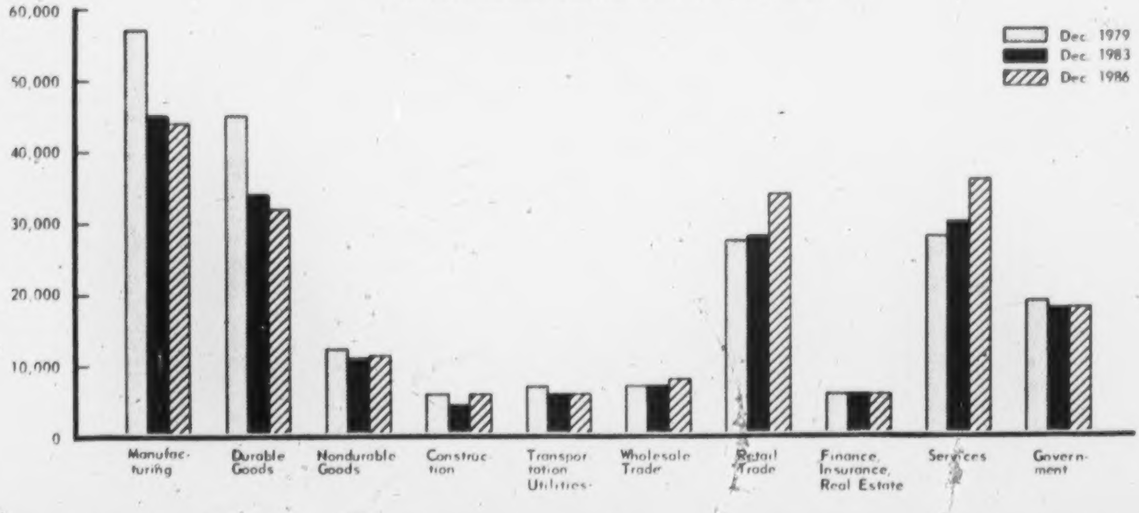
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.7	158.0	16.7	9.6	1975	145.0	55.3	40.5	$222.22	39.4	$ 5.64
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	244.73	39.6	6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.9	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.6	169.6	20.0	10.5	1985	152.2	45.3	33.8	435.81	39.8	10.95
				1985						
193.5	172.0	21.5	11.1	November	155.5	46.1	33.2	444.21	40.2	11.05
192.1	171.8	20.3	10.6	December	155.7	46.0	33.1	448.63	40.2	11.16
				1906						
191.3	168.9	22.4	11.7	January	152.3	45.8	32.7	450.32	40.1	11.23
194.3	172.4	21.9	11.3	February	152.7	46.1	33.0	449.65	40.4	11.13
194.4	174.1	20.2	10.4	March	153.2	45.6	32.5	447.12	40.1	11.15
194.4	174.4	19.9	10.3	April	156.0	45.6	32.6	442.89	39.9	11.10
191.8	173.8	18.1	9.4	May	157.6	45.5	32.5	444.09	39.9	11.13
194.5	174.1	20.4	10.5	June	158.2	45.4	32.5	446.88	39.9	11.20
196.2	177.6	18.6	9.5	July	157.6	45.0	32.1	449.52	40.1	11.21
193.7	175.8	17.9	9.3	August	157.7	45.2	32.3	448.48	39.9	11.24
190.7	172.0	18.7	9.8	September	158.7	44.9	32.2	447.75	39.8	11.25
193.7	175.9	17.9	9.2	October	154.4	39.4	26.7	445.61	40.4	11.03
195.1	177.0	18.1	9.3	November	159.4	44.0	31.3	471.33	41.2	11.44
INA	INA	INA	INA	December	159.4	43.7	31.1	475.80	41.7	11.41

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	159.4	159.4	155.7	.0	3.7
MANUFACTURING	43.7	44.0	46.0	- .3	- 2.3
Durable Goods[e]	32.1	32.5	34.2	- .4	- 2.1
Primary metal industries	10.8	11.0	11.0	- .2	- .2
Fabricated metal products	6.5	6.5	7.1	.0	- .6
Metal forgings and stampings	2.2	2.2	2.6	.0	- .5
Nondurable Goods[f]	11.5	11.4	11.7	.1	- .2
Food and kindred products	4.2	4.2	4.4	.0	- .1
Rubber and misc. plastics products	2.5	2.4	2.8	.0	- .3
NONMANUFACTURING	115.7	115.4	109.7	.4	6.0
CONSTRUCTION	6.4	6.8	5.7	- .5	.7
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	6.0	.0	.2
Communication, electric, gas services	2.7	2.7	2.8	.0	- .1
WHOLESALE TRADE	7.9	8.0	7.9	.0	.0
Wholesale trade-durable goods	4.5	4.5	4.5	.0	- .1
RETAIL TRADE	33.9	33.0	31.2	.9	2.7
General merchandise stores	5.0	4.5	4.3	.5	.7
Food stores	5.7	5.6	5.3	.1	.4
FINANCE, INSURANCE, AND REAL ESTATE	6.3	6.2	6.2	.0	.1
Banking	1.8	1.8	1.8	.0	.0
SERVICES	36.0	36.3	33.7	- .2	2.3
Health services	14.3	14.3	13.9	.0	.4
GOVERNMENT	17.7	17.7	17.8	.1	.0
State government (includes education)	1.7	1.7	1.7	.0	- .1
Local government	14.7	14.7	14.7	.0	.0
Local government education	8.8	8.8	8.5	.0	.3
Local government, except education	5.9	5.9	6.2	.1	- .3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$475.80	$471.33	$448.63	41.7	41.2	40.2	$11.41	$11.44	$11.16
Durable Goods[e]	499.65	492.89	467.48	42.2	41.7	40.3	11.84	11.82	11.60
Primary metal industries	546.9	542.19	467.69	42.5	41.9	37.9	12.87	12.94	12.34
Fabricated metal products	492.57	487.89	544.07	42.1	41.7	43.7	11.70	11.70	12.45
Metal forgings and stampings	651.64	526.33	701.19	44.0	41.7	44.1	14.81	15.02	15.90
Nondurable Goods[f]	404.61	405.73	393.56	40.1	39.7	40.2	10.09	10.22	9.79
Food and kindred products	454.43	421.11	414.63	41.5	39.1	40.1	10.95	10.77	10.34
Rubber and misc. plastics products	416.25	417.83	463.93	41.5	41.7	44.1	10.03	10.02	10.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	542.52	540.79	519.47	41.1	41.0	41.0	13.20	13.19	12.67
WHOLESALE TRADE	356.57	335.30	342.95	35.8	35.0	36.1	8.96	9.58	9.50
RETAIL TRADE[h]	155.93	154.23	157.63	29.2	29.1	29.3	5.34	5.30	5.38

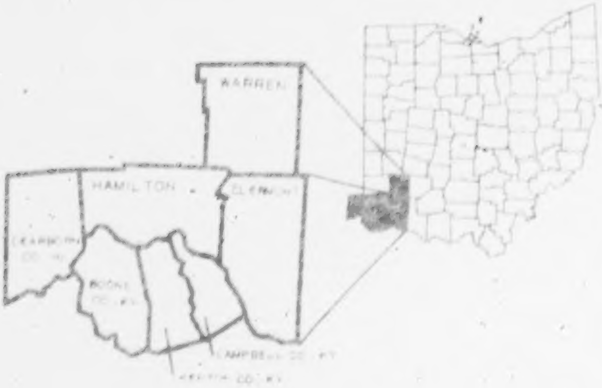
[a]See Technical Notes for concepts [b]Preliminary [c]Revised [d]Based on unrounded figures [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, machinery except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing [f]Includes tobacco manufactures, textile mill products, apparel and other textile mill products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products [g]Includes mining [h]Money payments only, tips not included [i]Depressed due to labor-management disputes

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	1,566	1,676
Active File of Job Seekers	INA	17,921	18,670
Referrals to Jobs	INA	948	941
Placements	INA	247	309
Job Openings Received	INA	407	367
Job Openings Unfilled	INA	332	366
Unemployment Insurance Program			
Initial Claims	5,403	4,341	5,084
Continued Claims	28,750	21,274	31,384
First Payments	1,441	1,050	1,935
Last Payments	317	313	288
Weeks Compensated	19,993	17,713	21,477
Benefits Paid	$2,869,280	$2,629,401	$3,208,059
Average Weekly Payment	$149.78	$153.80	$153.37

INA - Information Not Available.

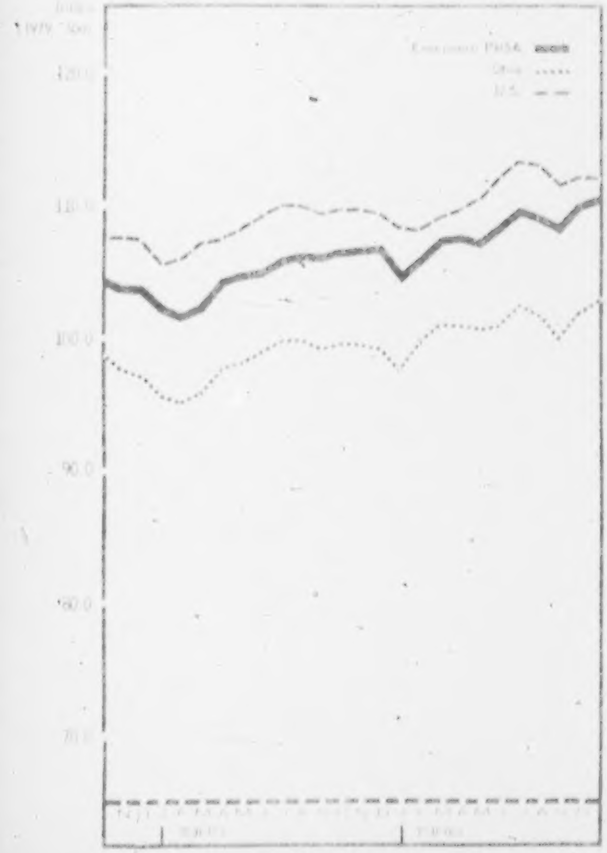
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



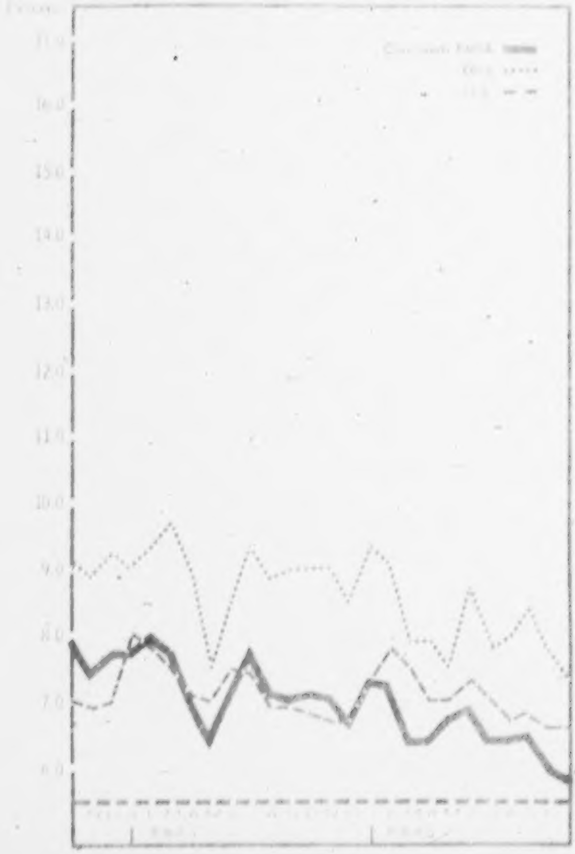
Nonagricultural wage and salary employment in the Cincinnati area was 671,700 in December, up 800 from November. Nonmanufacturing employment rose 1,600 over the month. Seasonal gains in retail trade and services more than offset the decline in construction. Manufacturing lost 800 workers due largely to scattered declines in nondurable goods. Production workers in manufacturing worked an average of 43.0 hours per week, down .3 hours from November. Their average hourly earnings were $10.92, down $.04.

From December 1985 to December 1986, nonagricultural wage and salary employment rose 25,900, due primarily to growth in services and retail trade, although all nonmanufacturing divisions registered gains. Manufacturing was down 900, with noteworthy losses in motor vehicles and equipment and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



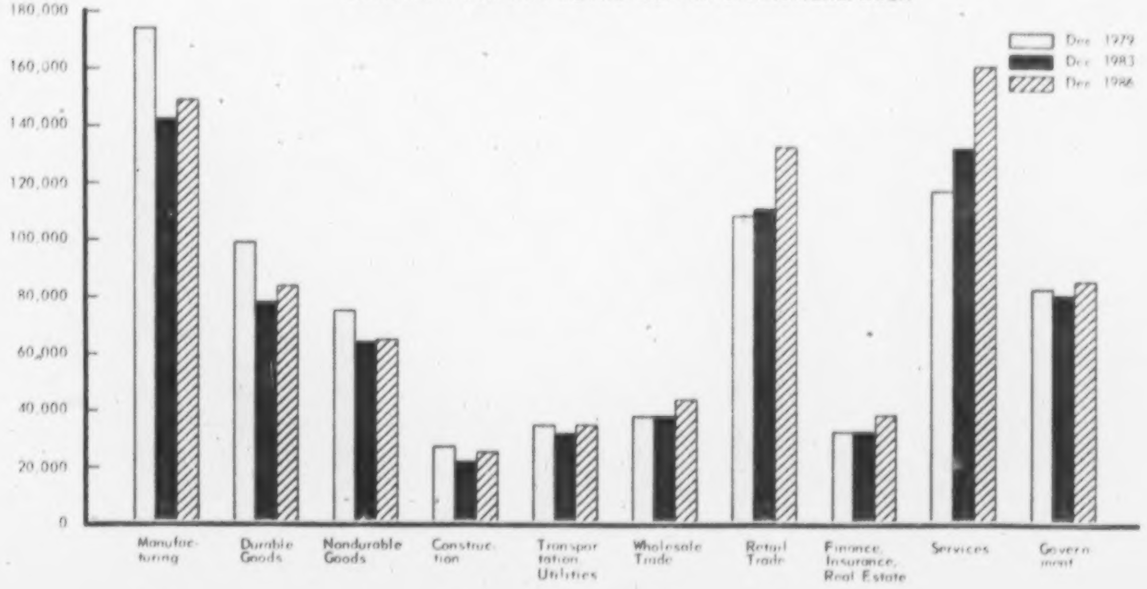
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
595.3	551.6	43.6	7.3	1975	531.2	153.9	106.3	$211.75	40.8	$ 5.19
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	232.22	41.1	5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.6	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	104.5	360.86	41.1	8.78
682.0	610.4	71.6	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	97.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	98.5	441.41	41.8	10.56
708.3	657.3	51.0	7.2	1985	620.2	147.2	96.8	441.74	41.4	10.67
				1985						
718.4	668.5	50.0	7.0	November	642.9	149.5	97.4	452.38	42.2	10.72
716.7	669.1	47.6	6.6	December	645.7	149.5	97.4	459.85	42.5	10.82
				1986						
704.3	653.0	51.4	7.3	January	632.9	148.3	96.3	447.26	41.8	10.70
715.7	663.9	51.8	7.2	February	633.5	148.3	96.2	445.21	41.3	10.78
718.6	672.5	46.1	6.4	March	638.3	147.3	95.1	449.35	41.8	10.75
720.1	674.1	46.0	6.4	April	648.6	146.7	94.3	441.74	41.4	10.67
720.3	671.9	48.4	6.7	May	652.4	144.5	91.9	444.56	41.9	10.61
730.5	679.8	50.6	6.9	June	657.6	148.1	95.3	443.69	41.7	10.64
735.1	688.3	46.8	6.4	July	655.7	147.7	94.6	444.94	41.7	10.67
730.7	684.2	46.5	6.4	August	658.5	148.9	95.8	452.81	42.2	10.73
725.6	678.6	47.0	6.5	September	666.9	149.5	96.1	456.84	42.3	10.80
733.3	689.9	43.3	5.9	October	669.0	149.4	95.8	459.00	42.5	10.80
736.9	694.4	42.5	5.8	November	670.9	149.5	95.7	474.57	43.3	10.96
INA	INA	INA	INA	December	671.7	148.7	94.4	469.56	43.0	10.92

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	671.7	670.9	645.7	.8	26.0
MANUFACTURING	148.7	149.5	149.5	- .8	- .8
Durable Goods'	83.5	83.6	84.6	- .1	- 1.1
Fabricated metal products	11.1	11.1	10.9	.0	.2
Fabricated structural metal products	4.1	4.0	3.9	.1	.2
Machinery, except electrical	20.1	20.3	21.7	- .2	- 1.6
Metalworking machinery	8.5	8.6	9.6	- .1	- 1.1
General industrial machinery	2.7	2.7	3.0	.0	- .2
Electric and electronic equipment	7.5	7.6	7.6	.2	- .2
Transportation equipment	29.8	29.5	29.2	.3	.6
Motor vehicles and equipment	8.8	8.6	10.1	.2	- 1.3
Nondurable Goods'	65.2	65.8	65.0	- .7	.2
Food and kindred products	12.8	12.9	12.9	.0	- .1
Beverages	4.1	4.1	4.1	- .1	- .1
Apparel and other textile products	3.6	3.6	3.7	.0	- .1
Paper and allied products	6.4	6.4	6.1	- .1	.3
Printing and publishing	12.1	12.4	12.5	- .2	- .4
Commercial printing	5.1	5.4	5.5	.3	- .4
Chemicals and allied products	22.1	22.2	21.5	.0	.6
Rubber and misc. plastics products	5.6	5.9	5.2	- .3	.4
NONMANUFACTURING	523.0	521.4	496.2	1.6	26.8
CONSTRUCTION	26.2	27.3	24.0	- 1.1	2.2
TRANSPORTATION AND PUBLIC UTILITIES	34.7	34.7	33.8	.0	.9
Trucking and warehousing	10.6	10.5	10.3	.0	.3
Communication, electric, gas services	14.4	14.4	14.7	.0	- .3
WHOLESALE TRADE	44.0	43.7	41.7	.3	2.3
Wholesale trade-durable goods	26.1	25.9	24.7	.1	1.4
RETAIL TRADE	132.6	130.8	125.8	1.8	6.8
General merchandise stores	23.0	22.1	22.0	.9	1.0
FINANCE, INSURANCE, AND REAL ESTATE	38.5	38.4	36.1	.1	2.4
Banking	8.4	8.3	8.0	.1	.4
Insurance carriers	12.1	12.0	11.5	.0	.5
SERVICES	160.7	160.3	150.4	.4	10.3
Hotels and other lodging places	6.7	6.7	6.1	.0	.6
Personal services	8.5	8.5	7.7	.0	.8
Business services	38.6	38.7	34.7	- .1	3.9
Amusement and recreation services	7.4	6.7	6.2	.7	1.2
Health services	48.3	48.3	46.6	.1	1.7
GOVERNMENT	85.9	85.8	84.0	.0	1.9
Federal government	13.1	13.0	12.9	.1	.2
State government	19.6	19.5	19.1	.1	.5
State government education	11.7	11.7	11.6	.0	.1
State government, except education	7.9	7.8	7.5	.1	.4
Local government	53.2	53.3	52.1	- .1	1.1
Local government education	31.5	31.4	30.3	.1	1.2
Local government, except education	21.7	22.0	21.8	- .2	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$459.56	$474.57	$459.85	43.0	43.3	42.5	$10.92	$10.96	$10.82
Durable Goods[e]	484.16	484.34	464.34	43.5	43.4	42.6	11.13	11.16	10.90
Fabricated metal products	404.80	412.56	391.46	42.7	43.2	41.6	9.48	9.55	9.41
Fabricated structural metal products	411.56	436.00	418.33	42.3	43.6	42.6	9.73	10.00	9.82
Machinery, except electrical	419.90	434.00	430.40	42.5	43.4	43.3	9.88	10.00	9.94
Metalworking machinery	478.73	488.40	479.39	43.6	44.0	43.9	10.98	11.10	10.92
General industrial machinery	364.97	414.15	404.89	41.1	44.2	42.8	8.88	9.37	9.46
Electric and electronic equipment	363.80	369.08	396.36	41.2	41.1	43.7[j]	8.83	8.98	9.07
Transportation equipment	697.40	693.46	646.59	46.9	46.2	44.5	14.87	15.01	14.53
Motor vehicles and equipment	693.74	686.21	727.74	44.7	44.3	46.8	15.52	15.49	15.55
Nondurable Goods[f]	455.39	464.83	456.45	42.6	43.2	42.5	10.69	10.76	10.74
Food and kindred products	479.09	482.36	498.73	42.7	43.3	41.7	11.22	11.14	11.96
Beverages	514.74	501.77	485.44	42.4	41.4	41.0	12.14	12.12	11.84
Apparel and other textile products	216.78	219.13	213.40	39.2	39.2	39.3	5.53	5.59	5.43
Paper and allied products	425.43	427.00	411.09	42.8	42.7	42.5	9.94	10.00	9.67
Printing and publishing	459.02	461.77	477.47	40.3	40.4	41.7	11.39	11.43	11.45
Commercial printing	532.96	522.65	574.06	44.9	43.9	46.9	11.87	11.91	12.24
Chemicals and allied products	521.05	551.09	501.83	42.5	44.3	42.1	12.26	12.44	11.92
Rubber and misc. plastics products	442.20	432.35	447.64	47.6	47.2	49.3	9.29	9.16	9.08
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	533.86	532.53	509.55	40.2	40.1	39.5	13.28	13.28	12.90
WHOLESALE TRADE	383.40	386.75	381.19	40.4	41.1	40.9	9.49	9.41	9.32
RETAIL TRADE[h]	165.82	161.57	165.25	29.4	28.8	30.1	5.64	5.61	5.49
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.81	258.81	242.90	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

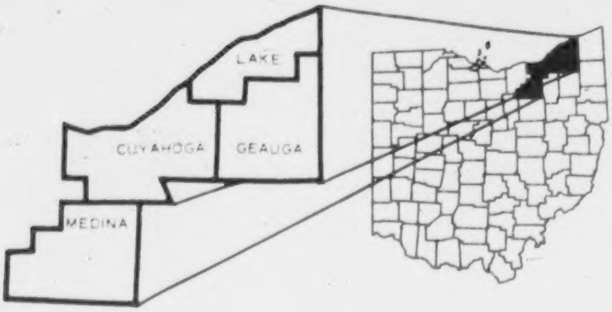
Selected Administrative Program Activities[a]

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	3,044	4,758
Active File of Job Seekers	INA	24,646	38,175
Referrals to Jobs	INA	2,017	2,038
Placements	INA	606	941
Job Openings Received	INA	778	1,222
Job Openings Unfilled	INA	1,856	2,077
Unemployment Insurance Program			
Initial Claims	9,813	6,664	8,518
Continued Claims	50,809	34,367	47,875
First Payments	3,588	1,546	2,914
Last Payments	578	586	575
Weeks Compensated	32,432	24,906	35,116
Benefits Paid	$4,709,850	$3,506,258	$4,981,046
Average Weekly Payment	$146.68	$144.23	$141.47

INA - Information Not Available.

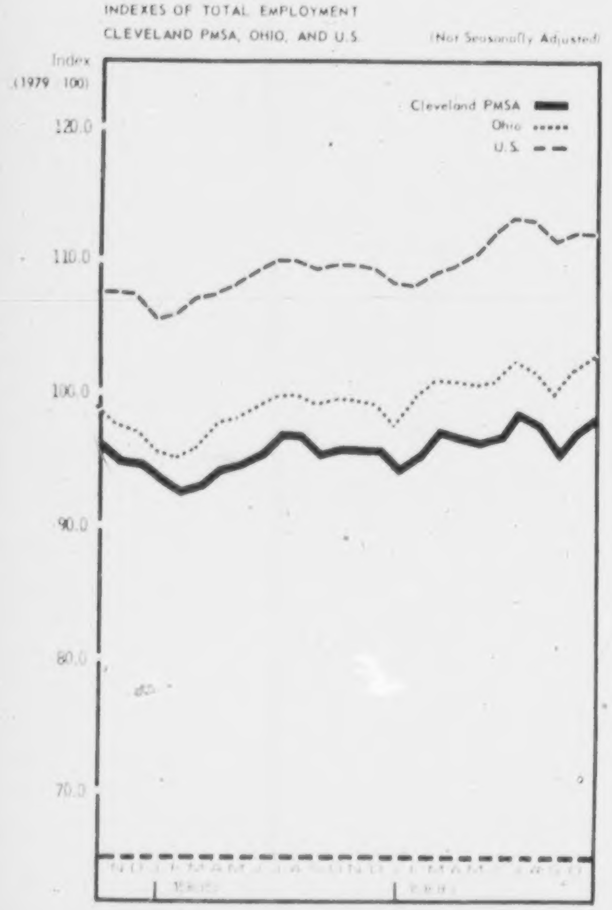
[a]Ohio data only

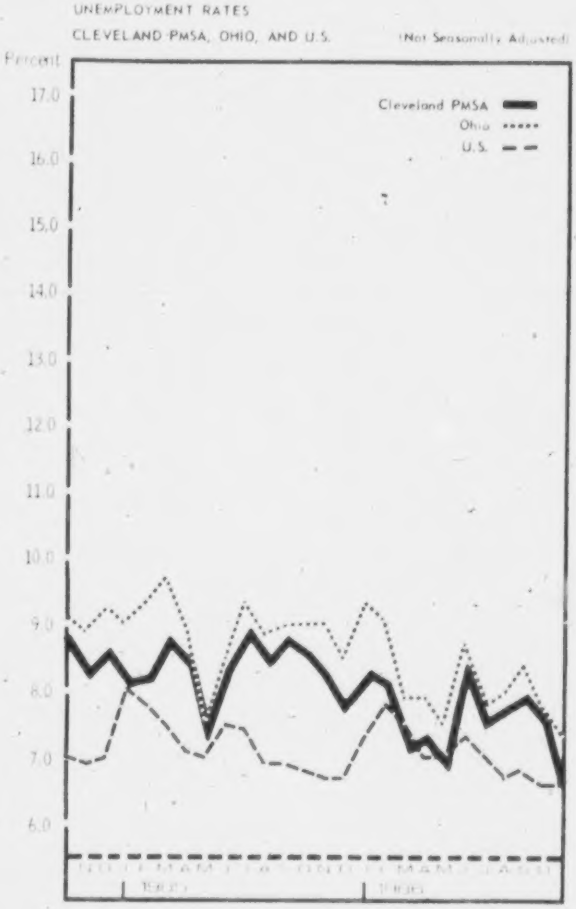
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Cleveland metropolitan area advanced 2,600 over the November level, to 903,500 in December. Nonmanufacturing employment expanded 2,500, as seasonal gains in retail trade and transportation and public utilities more than offset losses in construction and services. Manufacturing employment increased slightly, to 203,700. Factory production workers earned an average of $11.60 per hour, little changed from November. Their average workweek was .6 hours longer, at 43.7 hours.

Since December 1985, nonfarm employment rose 19,300 due primarily to growth in services, retail trade, and local government. Manufacturing employment declined 4,500 during the period. Significant losses were recorded in durable goods, especially nonelectrical machinery and instruments and related products.


INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)


UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

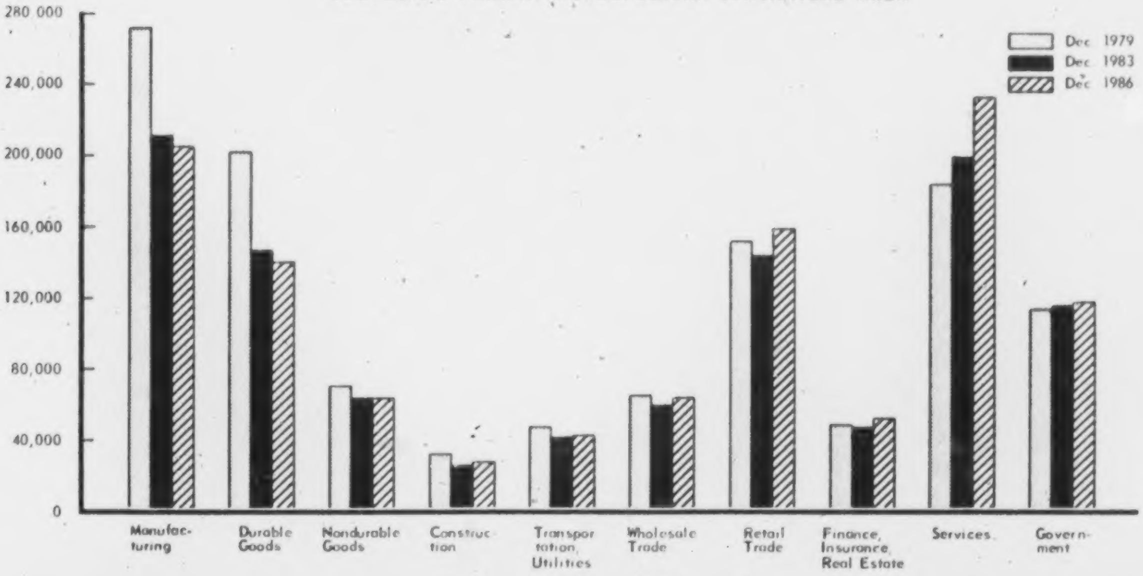
Çleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed*			Nonagricultural Wage & Salary Employment	Manufacturing Employment*	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
896.9	826.3	70.6	7.9	1975	850.6	260.3	176.0	$227.45	40.4	$ 5.63
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	260.62	41.9	6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.5	841.0	82.5	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
922.0	845.5	76.5	8.3	1985	869.3	210.7	135.1	467.74	41.8	11.19
				1985						
929.0	852.6	76.4	8.2	November	882.7	208.9	134.8	467.58	41.6	11.24
923.1	851.9	71.1	7.7	December	884.2	208.3	134.5	480.11	42.3	11.35
				1986						
912.8	837.2	75.6	8.3	January	865.6	207.1	133.6	474.01	41.8	11.34
929.2	854.3	74.9	8.1	February	865.1	205.3	132.1	477.24	41.9	11.39
931.6	865.3	66.3	7.1	March	870.9	205.3	132.3	487.60	42.4	11.50
926.7	859.2	67.5	7.3	April	880.6	205.7	132.6	479.76	41.9	11.45
918.2	855.9	62.3	6.8	May	890.3	205.8	132.7	472.69	41.5	11.39
940.1	861.4	78.7	8.4	June	896.6	205.8	132.3	480.36	42.1	11.41
949.4	878.1	71.3	7.5	July	895.0	203.1	129.6	459.82	40.8	11.27
940.0	867.6	72.4	7.7	August	892.9	202.5	129.4	479.94	42.1	11.40
919.9	847.1	72.9	7.9	September	895.9	204.0	130.9	495.06	42.4	11.44
934.1	864.0	70.1	7.5	October	897.4	202.3	129.2	480.36	42.1	11.41
935.3	873.4	61.9	6.6	November	900.9	203.6	130.9	500.39	43.1	11.61
INA	INA	INA	INA	December	903.5	203.7	131.2	506.92	43.7	11.60

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	903.5	900.9	884.2	2.6	19.3
MANUFACTURING	203.7	203.6	208.3	.1	- 4.6
Durable Goods'	139.5	139.4	144.2	.2	- 4.7
Primary metal industries	21.8	21.9	22.5	- .1	- .7
Blast furnace and basic steel products	10.3	10.4	10.4	- .1	- .1
Iron and steel foundries	5.2	5.2	5.7	.0	- .5
Fabricated metal products	32.4	32.1	32.6	.3	- .2
Fabricated structural metal products	3.9	3.9	3.7	.0	.2
Screw machine products, bolts, etc.	4.7	4.7	4.8	.0	- .1
Metal forgings and stampings	10.9	10.5	10.8	.4	.1
Machinery, except electrical	30.6	30.7	32.4	- .1	- 1.8
Construction and related machinery	3.0	2.9	3.2	.1	- .2
Metalworking machinery	9.7	9.6	10.2	.1	- .5
Special industry machinery	3.5	3.4	3.7	.1	- .2
General industrial machinery	2.9	2.9	3.0	.0	- .1
Electric and electronic equipment	18.8	18.7	19.3	.1	- .5
Electrical industrial apparatus	6.5	6.5	6.9	.0	- .4
Transportation equipment	19.4	19.3	19.8	.1	- .4
Motor vehicles and equipment	12.5	12.4	12.9	.1	- .4
Instruments and related products	6.8	6.8	7.8	.0	- 1.0
Measuring and controlling devices	4.3	4.3	4.2	.0	.1
Nondurable Goods'	64.2	64.3	64.1	- .1	.1
Food and kindred products	7.3	7.3	7.6	.0	- .3
Apparel and other textile products	4.6	4.6	4.8	.0	- .2
Paper and allied products	5.4	5.4	5.2	.0	.2
Printing and publishing	15.5	15.5	15.6	.0	- .1
Chemicals and allied products	13.6	13.4	13.6	.2	.0
Rubber and misc. plastics products	12.0	12.2	12.0	- .2	.0
NONMANUFACTURING	699.8	697.3	675.9	2.5	23.9
CONSTRUCTION	28.0	30.1	28.4	- 2.1	- .4
TRANSPORTATION AND PUBLIC UTILITIES	43.1	42.5	42.6	.6	.5
Trucking and warehousing	13.0	12.3	12.3	.7	.7
Communication, electric, gas services	18.2	18.2	18.7	.0	- .5
WHOLESALE TRADE	64.5	64.2	64.0	.3	.5
Wholesale trade-durable goods	44.9	44.7	44.8	.2	.1
RETAIL TRADE	158.6	154.7	153.1	3.9	5.5
General merchandise stores	22.6	21.5	22.5	1.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	53.1	52.7	49.7	.4	3.4
Banking	13.6	13.4	13.7	.2	- .1
Credit agencies other than banks	8.7	8.6	7.9	.1	.8
Insurance carriers	12.2	12.1	11.3	.1	.9
SERVICES	233.0	231.8	220.9	.8	12.1
Business services	52.4	52.1	47.6	.3	4.8
Amusement and recreation services	6.1	6.5	6.9	- .4	- .8
Health services	72.0	71.7	68.7	.3	3.3
GOVERNMENT	118.4	118.2	116.1	.2	2.3
Federal government	20.1	19.9	20.0	.2	.1
State government	8.3	8.0	8.2	.3	.1
State government education	3.2	3.0	3.2	.2	.0
State government, except education	5.1	5.0	5.0	.1	.1
Local government	89.9	90.3	87.9	- .4	2.0
Local government education	45.2	45.3	44.3	- .1	.9
Local government, except education	44.8	45.1	43.7	- .3	1.1

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$506.92	$500.39	$480.11	43.7	43.1	42.3	$11.60	$11.61	$11.35
Durable Goods[e]	542.57	534.45	513.17	44.4	43.7	42.8	12.22	12.23	11.99
Primary metal industries	623.31	610.16	591.33	45.2	44.7	43.1	13.79	13.65	13.72
Blast furnace and basic steel products	545.43	571.46	512.75	39.9	41.5	37.4	13.67	13.77	13.71
Iron and steel foundries	930.42	850.68	886.41	54.0	51.0	52.6	17.23	16.68	16.69
Fabricated metal products	537.30	513.86	483.78	45.0	43.4	42.4	11.94	11.84	11.41
Fabricated structural metal products	386.14	359.97	379.25	41.7	39.0	41.0	9.26	9.23	9.25
Screw machine products, bolts, etc	443.84	438.06	420.73	42.8	42.0	42.2	10.37	10.43	9.97
Metal forgings and stampings	724.20	562.86	622.86	49.4	46.9	44.3	14.66	14.55	14.06
Machinery, except electrical	485.30	471.23	453.00	43.8	42.8	42.1	11.08	11.01	10.76
Construction and related machinery	418.16	421.34	422.84	45.7	45.6	44.0	9.15	9.24	9.61
Metalworking machinery	435.45	434.00	397.79	42.4	42.3	40.1	10.27	10.26	9.92
Special industry machinery	504.78	478.40	530.52	42.1	39.9	43.7	11.99	11.99	12.14
General industrial machinery	496.40	500.16	449.65	44.6	45.1	42.5	11.13	11.09	10.58
Electric and electronic equipment	437.00	424.04	417.11	41.5	40.5	40.3	10.53	10.47	10.35
Electrical industrial apparatus	451.00	455.67	418.43	41.0	41.5	39.4	11.00	10.98	10.62
Transportation equipment	725.42	759.99	717.07	47.6	49.0	47.3	15.24	15.51	15.16
Motor vehicles and equipment	760.17	807.76	763.37	47.9	49.8	47.6	15.87	16.22	15.97
Instruments and related products	426.85	420.75	438.05	42.6	41.7	43.5	10.02	10.09	10.07
Measuring and controlling devices	417.32	412.05	403.43	41.9	41.0	42.2	9.96	10.05	9.56
Nondurable Goods[f]	420.42	417.25	396.06	42.0	41.6	41.0	10.01	10.03	9.66
Food and kindred products	392.05	389.25	371.78	42.8	41.9	42.2	9.16	[illegible]	8.81
Apparel and other textile products	300.63	304.98	292.96	38.2	38.9	38.7	7.87	7.84	7.57
Paper and allied products	488.59	470.24	455.84	44.6	43.3	44.0	10.91	10.86	10.36
Printing and publishing	434.62	433.92	385.76	39.8	39.7	37.2	10.92	10.93	10.37
Chemicals and allied products	506.17	504.93	484.92	43.9	42.9	42.8	11.53	11.77	11.33
Rubber and misc. plastics products	383.21	375.73	376.38	43.3	42.6	42.9	8.85	8.82	8.82
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	573.53	575.04	568.86	41.5	41.7	42.2	13.82	13.79	13.48
WHOLESALE TRADE	401.80	394.02	387.03	40.1	39.6	39.9	10.02	9.95	9.70
RETAIL TRADE[h]	179.27	178.92	179.42	28.5	28.4	28.8	6.29	6.30	6.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	295.22	292.73	290.00	....	....	....	.....	.....	.....

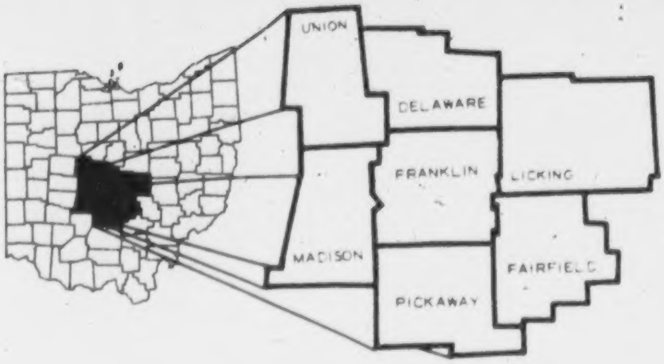
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, stone, clay and glass products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	7,117	7,289
Active File of Job Seekers	INA	104,344	116,889
Referrals to Jobs	INA	2,432	1,638
Placements	INA	430	517
Job Openings Received	INA	931	1,120
Job Openings Unfilled	INA	2,523	2,391
Unemployment Insurance Program			
Initial Claims	12,482	7,932	14,317
Continued Claims	78,088	60,033	90,730
First Payments	4,193	2,816	4,783
Last Payments	1,265	1,071	1,510
Weeks Compensated	57,469	47,535	65,119
Benefits Paid	$8,492,819	$6,998,421	$9,562,867
Average Weekly Payment	$150.55	$150.00	$149.50

INA - Information Not Available.

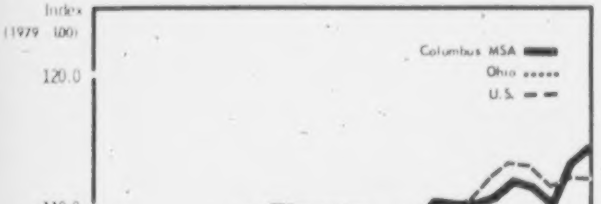
COLUMBUS
METROPOLITAN STATISTICAL AREA



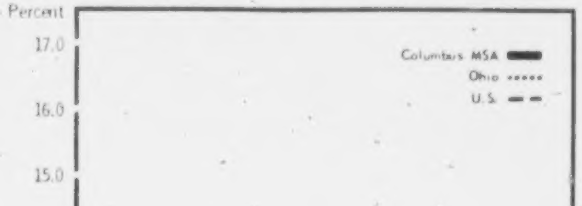
Nonfarm wage and salary employment in the Columbus area rose 1,600 from November, to 663,500. Nonmanufacturing employment increased 1,800 over the month. Seasonal growth in retail trade offset declines in construction and services. Manufacturing dropped slightly, to 104,700, due to losses in fabricated metal products. Production workers in manufacturing worked an average of 41.5 hours per week, up .2 hours from November. Their average hourly earnings were $11.43, up $.10.

Nonagricultural employment rose 32,100 since December 1985. Although all nonmanufacturing industries recorded gains, significant growth was noted in services and retail trade. Manufacturing was down 2,400, with losses in fabricated metal products, nonelectrical machinery, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



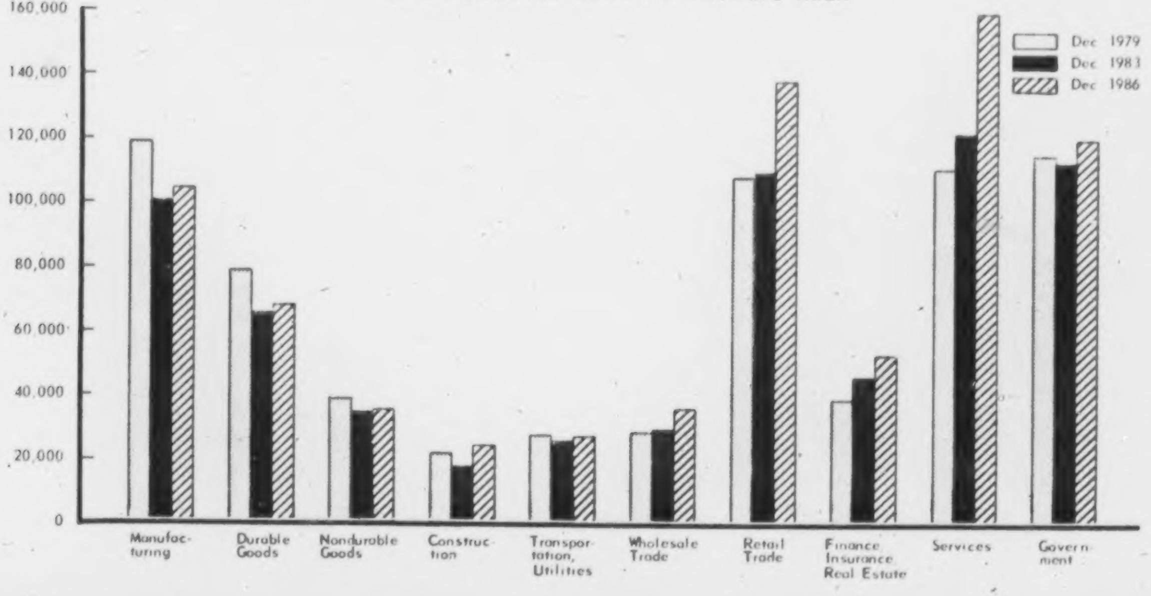
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	488.2	106.6	INA	INA	INA	INA
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
650.4	606.7	43.7	6.7	1985	606.5	105.9	70.8	442.95	40.9	10.83
				1985						
667.3	622.6	44.7	6.7	November	627.4	106.8	71.3	456.62	41.7	10.95
665.3	624.3	41.0	6.2	December	631.4	107.1	71.4	463.14	41.8	11.08
				1986						
661.3	615.1	46.2	7.0	January	620.0	106.8	71.0	451.95	40.9	11.05
671.5	627.0	44.5	6.6	February	619.3	106.3	70.9	453.46	41.0	11.06
676.4	637.2	39.1	5.8	March	624.9	105.7	70.4	460.50	41.3	11.15
675.6	636.5	39.1	5.8	April	635.1	105.7	70.6	462.44	41.4	11.17
672.6	634.8	37.8	5.6	May	642.0	105.3	70.0	461.44	41.2	11.20
683.7	639.4	44.3	6.5	June	646.8	105.0	69.7	460.43	41.0	11.23
686.4	646.7	39.7	5.8	July	640.3	104.8	69.4	458.18	40.8	11.23
686.1	644.5	41.6	6.1	August	644.6	105.0	69.8	461.66	41.0	11.26
677.5	633.5	44.0	6.5	September	651.8	106.1	70.7	465.86	41.3	11.28
694.6	654.2	40.3	5.8	October	658.4	103.9	68.7	459.82	40.8	11.27
698.6	659.8	38.8	5.6	November	661.9	104.8	70.0	467.93	41.3	11.33
INA	INA	INA	INA	December	663.5	104.7	69.8	474.35	41.5	11.43

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	663.5	661.9	631.4	1.6	32.1
MANUFACTURING	104.7	104.8	107.1	-.2	-2.4
Durable Goods[e]	68.4	68.6	71.0	-.2	-2.6
Stone, clay, and glass products	11.6	11.5	11.4	.1	.3
Glass and glassware, pressed or blown	4.6	4.5	4.2	.1	.5
Fabricated metal products	9.1	9.3	10.3	-.2	-1.2
Fabricated structural metal products	2.8	2.9	3.0	-.1	-.2
Machinery, except electrical	9.4	9.4	10.3	.0	-1.0
Electric and electronic equipment	10.3	10.3	11.1	.0	-.8
Transportation equipment	16.5	16.5	16.2	.0	.3
Instruments and related products	4.3	4.3	4.5	.0	-.2
Nondurable Goods[f]	36.3	36.2	36.1	.0	.1
Food and kindred products	9.7	9.7	9.7	.0	.1
Printing and publishing	10.1	10.1	9.8	.0	.3
Chemicals and allied products	6.9	6.8	6.8	.0	.0
Rubber and misc. plastics products	5.3	5.3	5.3	.0	-.1
NONMANUFACTURING	558.9	557.1	524.3	1.8	34.6
CONSTRUCTION	25.0	26.1	22.0	-1.1	3.0
TRANSPORTATION AND PUBLIC UTILITIES	27.4	27.3	26.3	.1	1.2
Trucking and warehousing	12.2	12.0	11.2	.2	1.1
Communication, electric, gas services	10.7	10.8	11.1	.0	-.3
WHOLESALE TRADE	35.7	35.7	34.2	.0	1.5
Wholesale-trade-durable goods	24.1	24.1	22.9	.0	1.2
RETAIL TRADE	137.6	135.3	129.4	2.3	8.2
General merchandise stores	18.6	17.7	18.7	.9	-.1
FINANCE, INSURANCE, AND REAL ESTATE	53.3	53.1	50.3	.2	3.0
Banking	11.6	11.6	11.1	.0	.5
Insurance carriers	20.5	20.5	19.7	.0	.8
SERVICES	158.8	159.6	144.4	-.8	14.4
Business services	37.1	37.4	32.4	-.3	4.7
Health services	38.4	38.2	36.5	.2	1.9
GOVERNMENT	120.0	119.0	116.7	1.1	3.3
Federal government	15.5	15.5	15.4	.0	.1
State government	53.5	52.6	51.8	.8	1.6
State government education	23.7	23.1	23.2	.7	.5
State government, except education	29.7	29.6	28.6	.1	1.1
Local government	51.1	50.8	49.4	.2	1.6
Local government education	30.9	30.7	29.7	.2	1.2
Local government, except education	20.1	20.1	19.8	.0	.4

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$474.35	$467.93	$453.14	41.5	41.3	41.8	$11.43	$11.33	$11.08
Durable Goods[e]	481.56	479.41	483.84	41.3	41.4	42.0	11.66	11.58	11.52
Stone, clay, and glass products	446.99	455.49	468.03	38.5	39.3	39.9	11.61	11.59	11.73
Glass and glassware, pressed or blown	421.89	427.60	425.25	39.1	40.0	37.8	10.79	10.69	11.25
Fabricated metal products	487.60	491.21	530.45	40.0	40.9	42.2	12.19	12.01	12.57
Fabricated structural metal products	443.31	435.25	424.32	41.2	41.1	41.6	10.76	10.59	10.20
Machinery, except electrical	446.22	449.35	423.54	40.9	41.8	41.2	10.91	10.75	10.28
Electric and electronic equipment	464.84	464.02	481.24	41.1	41.1	42.4	11.31	11.29	11.35
Transportation equipment	597.76	565.04	555.34	45.7	43.7	43.9	13.08	12.93	12.65
Instruments and related products	367.82	384.30	403.22	38.8	39.7	42.4	9.48	9.68	9.51
Nondurable Goods[f]	455.36	444.55	416.12	41.7	41.2	41.2	10.92	10.79	10.10
Food and kindred products	429.04	419.02	393.26	40.9	40.8	40.5	10.49	10.27	9.71
Printing and publishing	517.78	508.07	495.73	40.2	39.6	40.7	12.88	12.83	12.18
Chemicals and allied products	561.08	541.01	512.67	43.8	42.7	43.3	12.81	12.67	11.84
Rubber and misc. plastics products	347.31	348.59	315.46	42.2	42.1	40.6	8.23	8.28	7.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	566.06	568.79	549.51	41.5	41.7	41.1	13.64	13.64	13.37
WHOLESALE TRADE	343.04	338.07	306.89	38.5	38.2	38.7	8.91	8.85	7.93
RETAIL TRADE[h]	170.81	165.87	174.32	29.0	28.5	29.9	5.89	5.82	5.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	249.75	249.06	241.53	....	....	....	.....	.....	.....

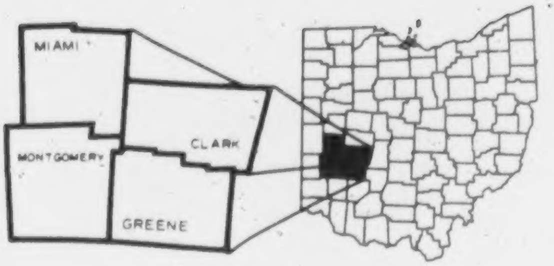
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
EMPLOYMENT SERVICE PROGRAM			
New Applicants	INA	4,114	4,532
Active File of Job Seekers	INA	34,524	40,563
Referrals to Jobs	INA	1,787	1,975
Placements	INA	617	829
Job Openings Received	INA	1,218	1,462
Job Openings Unfilled	INA	5,019	7,574
Unemployment Insurance Program			
Initial Claims	7,759	5,564	8,898
Continued Claims	49,655	35,770	46,903
First Payments	2,637	2,413	2,728
Last Payments	655	607	569
Weeks Compensated	35,962	27,413	35,757
Benefits Paid	$5,368,442	$4,091,930	$5,205,277
Average Weekly Payment	$152.87	$152.68	$148.82

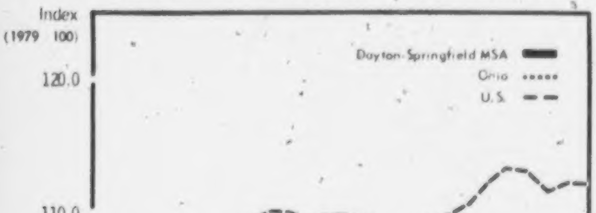
INA - Information Not Available.

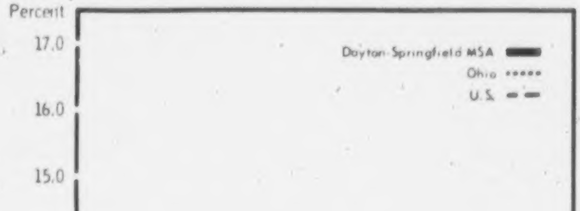
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



From November to December 1986, Dayton-Springfield MSA nonagricultural wage and salary employment increased 1,100 to 432,900. The increase occurred in nonmanufacturing, with retail trade having the greatest improvement. Manufacturing employment was little changed over the month at 104,300. Hourly earnings of production workers increased $.04, to $11.97 an hour. The average workweek remained constant at 42.4 hours.

Nonagricultural employment rose 14,700 over the year. The increase occurred in nonmanufacturing, with significant improvements in services, especially business services, retail trade and construction. Manufacturing employment declined 2,200 between December 1985 and 1986. The greatest reductions were recorded in nonelectrical machinery and rubber and miscellaneous plastics products.


INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)


UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

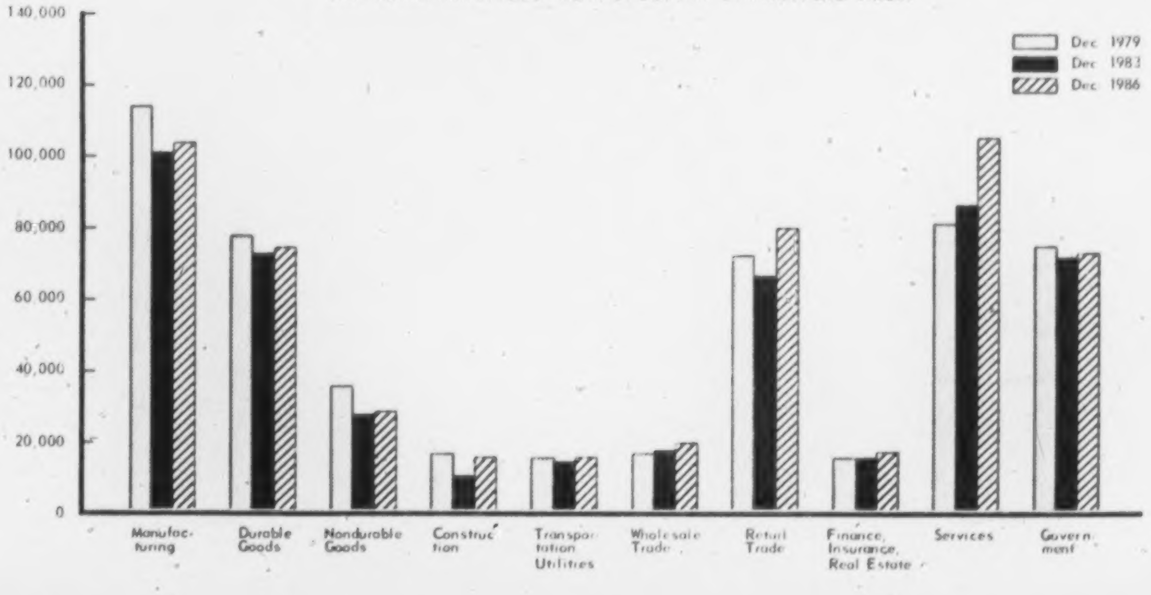
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	360.1	112.5	INA	INA	INA	INA
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.0	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
447.9	415.6	32.3	7.2	1985	407.8	108.4	69.1	517.10	43.2	11.97
				1985						
456.5	422.2	34.2	7.5	November	417.4	106.6	69.4	518.15	43.0	12.05
453.7	421.7	31.9	7.0	December	418.2	106.6	69.3	549.92	44.6	12.33
				1986						
448.1	414.9	33.2	7.4	January	409.8	105.7	68.5	534.45	43.7	12.23
457.2	422.7	34.5	7.5	February	409.1	105.5	68.3	532.61	43.8	12.16
459.4	429.9	29.5	6.4	March	413.1	105.2	67.9	526.44	43.4	12.13
455.1	426.3	28.8	6.3	April	417.0	104.7	67.7	510.85	42.5	12.02
450.9	424.4	26.5	5.9	May	421.0	104.6	67.5	515.31	42.8	12.04
455.5	423.0	32.5	7.1	June	419.9	104.5	67.0	518.06	43.1	12.02
459.2	430.0	29.1	6.3	July	418.0	104.1	66.5	511.28	42.5	12.03
458.2	427.8	30.4	6.6	August	420.2	104.4	66.8	502.25	42.1	11.93
455.0	423.4	31.6	7.0	September	427.6	104.7	67.2	516.52	42.9	12.04
462.9	433.7	29.2	6.3	October	430.0	104.3	67.0	502.74	42.0	11.97
466.8	438.5	28.2	6.1	November	431.8	104.2	67.2	505.83	42.4	11.93
INA	INA	INA	INA	December	432.9	104.3	67.3	507.53	42.4	11.97

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton - Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	432.9	431.8	418.2	1.1	14.7
MANUFACTURING	104.3	104.2	106.5	.1	- 2.2
Durable Goods'	75.3	75.2	77.0	.1	- 1.6
Fabricated metal products	8.3	8.3	8.2	.0	.1
Machinery, except electrical	30.9	30.8	32.0	.1	- 1.1
Metalworking machinery	6.7	6.7	7.0	.0	- .3
General industrial machinery	2.6	2.5	2.7	.0	- .1
Electric and electronic equipment	5.4	5.3	5.5	.1	- .1
Electrical industrial apparatus	3.0	2.9	3.0	.0	.0
Transportation equipment	21.8	21.9	22.2	- .1	- .3
Nondurable Goods'	29.0	29.0	29.6	.0	- .7
Food and kindred products	2.9	2.9	3.0	.0	- .2
Paper and allied products	5.8	5.8	5.8	.0	.0
Printing and publishing	8.7	8.7	8.6	.0	.1
Rubber and misc. plastics products	7.9	7.9	8.4	.0	- .5
NONMANUFACTURING	328.6	327.6	311.6	1.0	17.0
CONSTRUCTION	16.4	17.3	14.4	- .9	2.1
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.7	14.7	.2	1.2
Communication, electric, gas services	5.8	5.8	5.9	.0	- .1
WHOLESALE TRADE	20.3	20.1	19.6	.1	.6
Wholesale trade-durable goods	13.8	13.7	13.3	.1	.5
RETAIL TRADE	80.2	78.8	76.0	1.4	4.3
General merchandise stores	13.2	12.3	13.0	.9	.2
FINANCE, INSURANCE, AND REAL ESTATE	17.6	17.5	16.9	.1	.7
Banking	4.3	4.3	4.1	.0	.2
Credit agencies other than banks	4.9	4.9	4.5	.0	.4
Insurance carriers	2.6	2.6	2.8	.0	- .2
SERVICES	104.9	105.1	96.6	- .1	8.3
Business services	24.8	24.8	21.6	.0	3.2
Health services	34.8	34.7	34.0	.1	.8
Educational services	8.6	8.9	6.9	- .3	1.7
GOVERNMENT	72.9	72.7	73.2	.2	- .3
Federal government	27.2	27.0	27.7	.2	- .5
State government	6.9	7.0	6.7	- .1	.2
State government education	4.3	4.4	4.1	- .1	.1
State government, except education	2.6	2.6	2.5	.0	.0
Local government	38.9	38.7	38.6	.1	.1
Local government education	24.7	24.6	24.6	.1	.1
Local government, except education	14.1	14.1	14.2	.0	.0

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$507.53	$505.83	$549.92	42.4	42.4	44.6	$11.97	$11.93	$12.33
Durable Goods[e]	516.01	512.25	570.52	42.4	42.3	45.1	12.17	12.11	12.65
Fabricated metal products	403.22	395.64	383.72	42.4	42.0	41.8	9.51	9.42	9.18
Machinery, except electrical	551.18	540.99	582.63	43.4	42.8	45.2	12.70	12.64	12.89
Metalworking machinery	577.39	527.61	585.14	47.6	44.3	48.6	12.13	11.91	12.04
General industrial machinery	442.02	397.84	437.64	41.7	38.7	42.0	10.60	10.28	10.42
Electric and electronic equipment	440.64	411.63	381.22	45.9	44.5	41.8	9.60	9.25	9.12
Electrical industrial apparatus	560.62	499.69	437.31	49.7	46.7	43.6	11.28	10.70	10.03
Transportation equipment	596.35	603.96	735.53	41.1	42.0	48.2	14.51	14.38	15.26
Nondurable Goods[f]	484.08	486.78	493.19	42.5	42.7	43.3	11.39	11.40	11.39
Food and kindred products	347.19	347.70	379.76	42.6	43.3	43.6	8.15	8.03	8.71
Paper and allied products	496.89	491.04	462.67	46.7	46.5	45.9	10.64	10.56	10.08
Printing and publishing	425.32	429.84	434.11	39.2	39.8	40.8	10.85	10.80	10.64
Rubber and misc. plastics products	589.37	616.85	641.82	41.1	42.6	43.9	14.34	14.48	14.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	535.99	536.51	539.68	40.3	40.4	40.7	13.30	13.28	13.26
WHOLESALE TRADE	400.79	403.40	378.40	40.2	40.3	41.4	9.97	10.01	9.14
RETAIL TRADE[h]	157.25	154.83	162.11	28.8	28.1	30.3	5.46	5.51	5.35

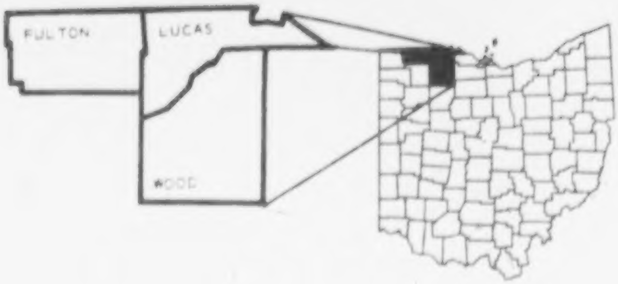
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	2,565	3,349
Active File of Job Seekers	INA	23,880	30,899
Referrals to Jobs	INA	1,043	1,399
Placements	INA	190	310
Job Openings Received	INA	616	527
Job Openings Unfilled	INA	1,442	1,362
Unemployment Insurance Program			
Initial Claims	6,514	3,645	5,229
Continued Claims	34,280	23,085	35,256
First Payments	1,779	1,415	1,933
Last Payments	408	373	468
Weeks Compensated	22,950	18,177	26,068
Benefits Paid	$3,182,173	$2,527,117	$3,610,514
Average Weekly Payment	$141.56	$142.09	$141.65

INA-INFORMATION NOT AVAILABLE.

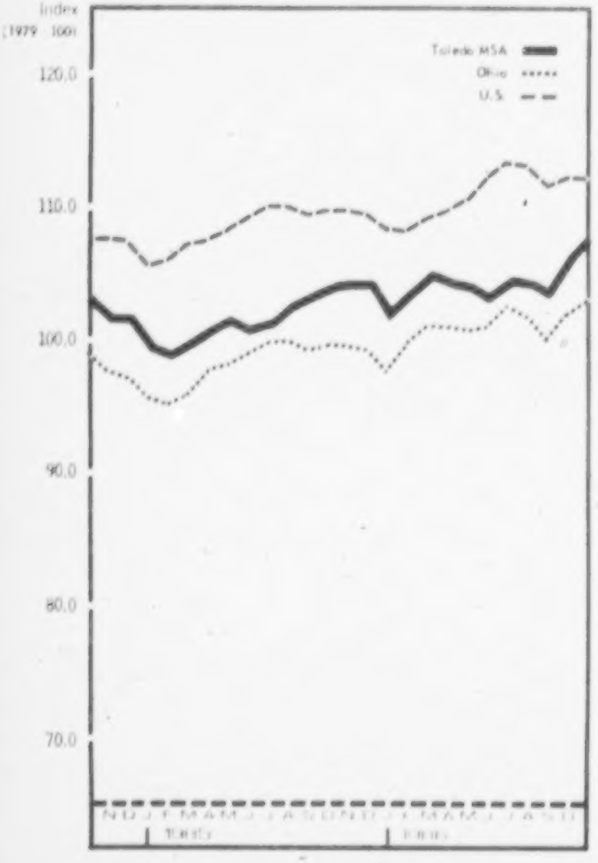
TOLEDO
METROPOLITAN STATISTICAL AREA



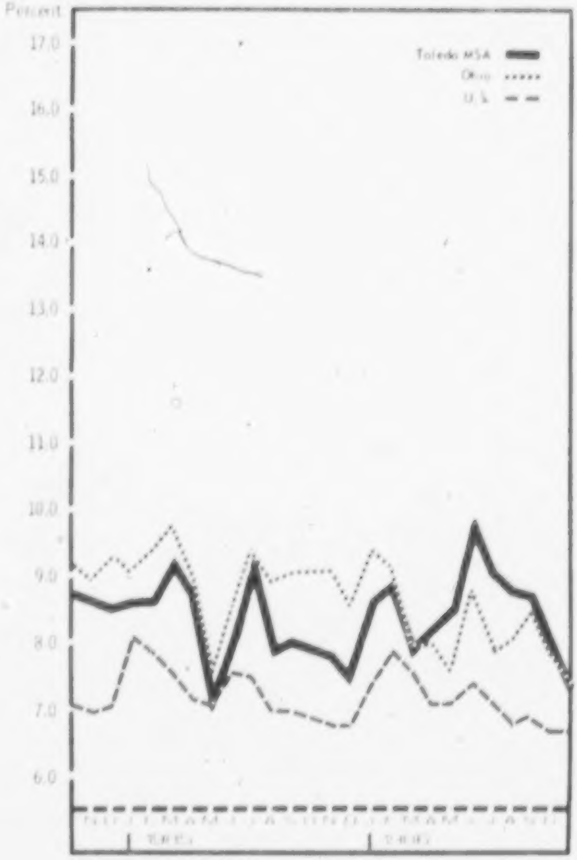
Toledo nonagricultural wage and salary employment in December was 281,100, an increase of 400 from the previous month. In nonmanufacturing, gains in retail trade overshadowed losses in construction. Manufacturing employment remained unchanged at 62,100. Production workers in manufacturing worked an average of 43.2 hours per week in December, up 1.1 hours. They earned $12.63 an hour, up $.16 from last month.

Since December 1985, Toledo nonagricultural wage and salary employment increased 6,900. The improvement occurred in nonmanufacturing, with the largest gains in services, retail trade, and finance, insurance, and real estate. Manufacturing employment declined 4,200 over the year, due chiefly to losses in durable goods, especially transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



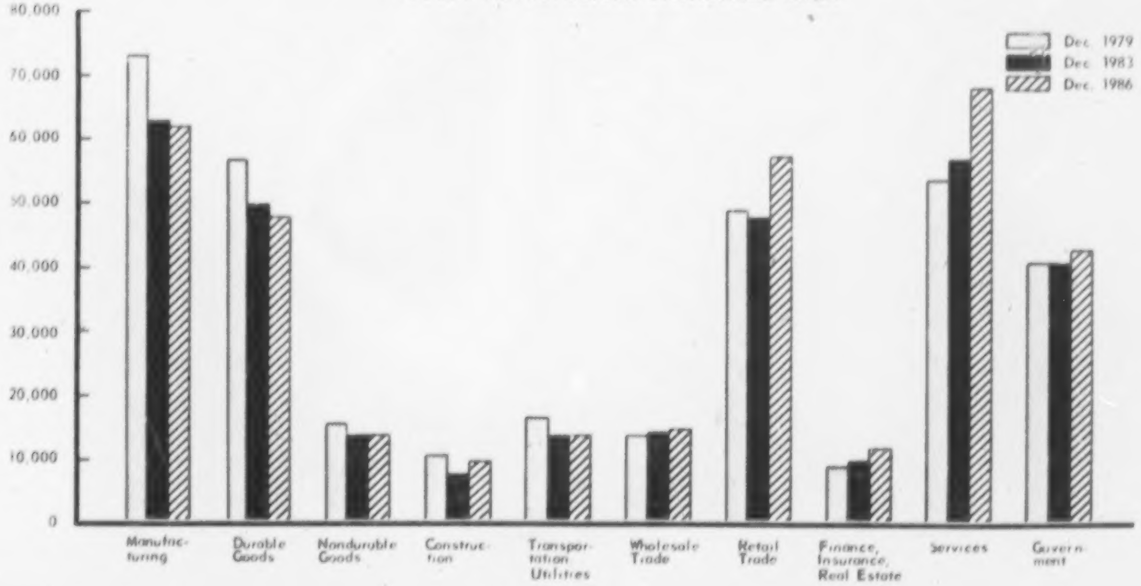
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1975	241.0	70.9	INA	INA	INA	INA
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.[illegible]	$502.42	43.2	$11.63
295.5	271.3	24.2	8.2	1985	264.4	65.6	46.2	523.55	42.6	12.29
				1985						
301.7	278.1	23.6	7.8	November	273.2	66.2	46.8	531.15	42.8	12.41
300.4	278.2	22.2	7.4	December	274.2	66.2	46.7	537.84	43.2	12.45
				1986						
296.8	271.4	25.4	8.6	January	266.5	66.0	46.6	532.39	42.9	12.41
303.1	276.1	27.0	8.9	February	264.5	63.3	44.0	536.68	42.9	12.51
303.5	279.9	23.7	7.8	March	266.5	63.0	43.4	529.91	42.7	12.41
302.7	277.9	24.8	8.2	April	270.0	62.6	43.2	516.23	41.8	12.35
302.8	277.0	25.7	8.5	May	273.0	62.1	42.8	524.55	42.2	12.43
305.0	274.8	30.2	9.9	June	270.2	62.3	43.1	524.12	42.2	12.42
306.7	278.7	28.0	9.1	July	268.1	62.0	42.7	526.25	42.1	12.50
305.1	278.3	26.8	8.8	August	271.3	63.3	44.0	519.90	42.2	12.32
302.8	276.3	26.4	8.7	September	277.1	63.7	44.6	524.36	42.7	12.28
308.4	284.1	24.3	7.9	October	279.6	62.4	43.3	531.65	42.6	12.48
310.4	287.8	22.6	7.3	November	280.7	62.1	43.7	524.99	42.1	12.47
INA	INA	INA	INA	December	281.1	62.1	43.7	545.62	43.2	12.63

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	281.1	280.7	274.2	.4	6.9
MANUFACTURING	62.1	62.1	66.2	.0	- 4.1
Durable Goods[e]	47.7	47.9	52.4	- .2	- 4.7
Stone, clay, and glass products	8.1	8.2	8.9	.0	- .7
Primary metal industries	3.2	3.2	3.4	.0	- .2
Fabricated metal products	7.8	7.8	7.9	.0	- .1
Metal forgings and stampings	3.6	3.6	3.7	.0	- .1
Machinery, except electrical	6.0	6.0	6.2	.0	- .2
Electric and electronic equipment	2.7	2.7	3.0	.0	- .2
Transportation equipment	15.7	15.9	19.1	- .2	- 3.4
Motor vehicles and equipment	14.8	14.9	18.0	- .1	- 3.3
Nondurable Goods[e]	14.4	14.2	13.8	.2	.6
Food and kindred products	3.8	3.7	3.7	.1	.1
Rubber and misc. plastics products	3.2	3.2	2.9	.0	.3
NONMANUFACTURING[f]	219.0	218.6	208.0	.4	11.0
CONSTRUCTION	9.8	10.5	9.1	- .7	.7
TRANSPORTATION AND PUBLIC UTILITIES	14.3	14.3	14.1	.0	.3
Trucking and warehousing	5.9	5.9	5.7	.0	.2
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
WHOLESALE TRADE	15.1	15.2	14.9	- .1	.2
Wholesale trade-durable goods	10.0	10.0	9.9	- .1	.1
RETAIL TRADE	57.5	56.1	54.1	1.3	3.4
General merchandise stores	8.3	7.9	8.1	.4	.2
FINANCE, INSURANCE AND REAL ESTATE	11.8	11.8	10.7	.0	1.1
Banking	4.0	4.0	3.6	.0	.4
SERVICES	67.7	67.7	62.9	.0	4.8
Business services	13.0	12.9	11.5	.1	1.5
Health services	25.9	25.9	24.8	.0	1.1
GOVERNMENT	42.6	42.7	42.0	- .1	.6
State government	16.1	16.3	15.6	- .3	.4
State government education	12.2	12.4	11.8	- .3	.4
State government, except education	3.9	3.9	3.9	.0	.1
Local government	23.9	23.8	23.7	.2	.2
Local government education	14.2	14.0	13.7	.2	.4
Local government, except education	9.8	9.8	10.0	.0	- .2

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$545.62	$524.99	$537.84	43.2	42.1	43.2	$12.63	$12.47	$12.45
Durable Goods[e]	561.59	547.33	566.77	43.1	42.2	43.8	13.03	12.97	12.94
Stone, clay, and glass products	540.04	539.71	593.97	43.1	42.8	45.1	12.53	12.61	13.17
Primary metal industries	502.39	504.41	537.04	43.8	43.9	47.4	11.47	11.49	11.33
Fabricated metal products	556.98	504.69	501.62	44.1	41.3	42.8	12.63	12.22	11.72
Metal forgings and stampings	694.08	589.53	599.84	48.1	43.0	44.4	14.43	13.71	13.51
Machinery, except electrical	491.06	477.24	466.09	43.0	41.9	42.8	11.42	11.39	10.89
Electric and electronic equipment	588.53	562.72	537.59	45.8	44.1	42.7	12.85	12.76	12.59
Transportation equipment	648.42	644.73	655.87	42.8	42.5	43.9	15.15	15.17	14.94
Motor vehicles and equipment	649.47	647.28	656.56	42.7	42.5	43.8	15.21	15.23	14.99
Nondurable Goods[f]	491.19	445.95	426.40	43.7	41.6	41.0	11.24	10.72	10.40
Food and kindred products	615.02	515.58	454.16	47.2	42.4	41.1	13.03	12.16	11.05
Rubber and misc. plastics products	332.93	333.33	310.34	40.9	41.0	38.6	8.14	8.13	8.04
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	625.22	624.09	581.83	43.0	43.1	42.5	14.54	14.48	13.69
WHOLESALE TRADE	351.71	360.30	345.95	37.9	38.7	38.1	9.28	9.31	9.08
RETAIL TRADE[h]	161.16	155.77	158.24	29.9	28.9	[illegible]	5.39	5.39	5.31

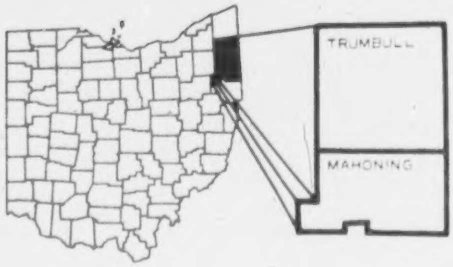
[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products [g] Includes mining [h] Money payments only, tips not included [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j] Depressed due to labor-management disputes

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	1,932	2,106
Active File of Job Seekers	INA	23,411	26,047
Referrals to Jobs	INA	836	1,007
Placements	INA	399	613
Job Openings Received	INA	500	723
Job Openings Unfilled	INA	699	731
Unemployment Insurance Program			
Initial Claims	5,910	3,822	5,659
Continued Claims	27,765	19,188	26,422
First Payments	1,530	1,152	1,622
Last Payments	438	412	361
Weeks Compensated	19,667	15,687	18,727
Benefits Paid	$2,848,080	$2,231,457	$2,650,991
Average Weekly Payment	$148.80	$146.10	$145.35

INA - Information Not Available.

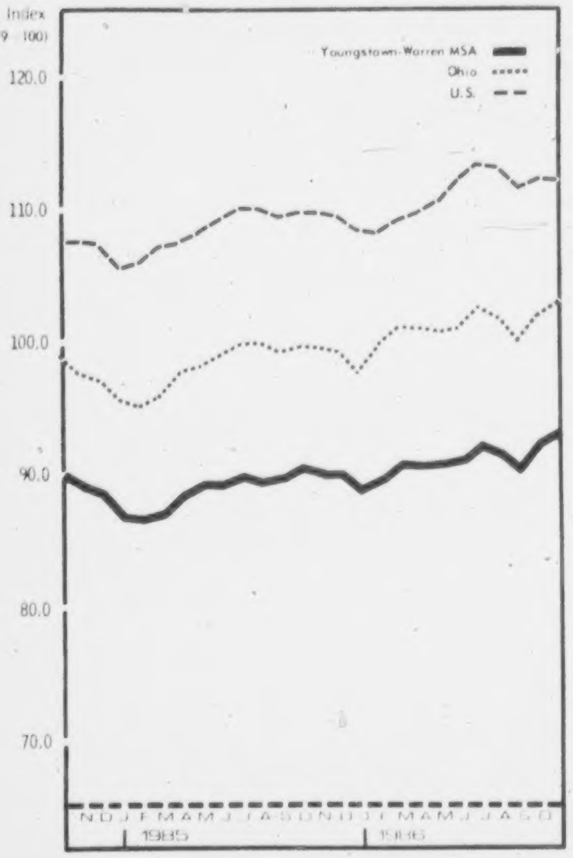
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



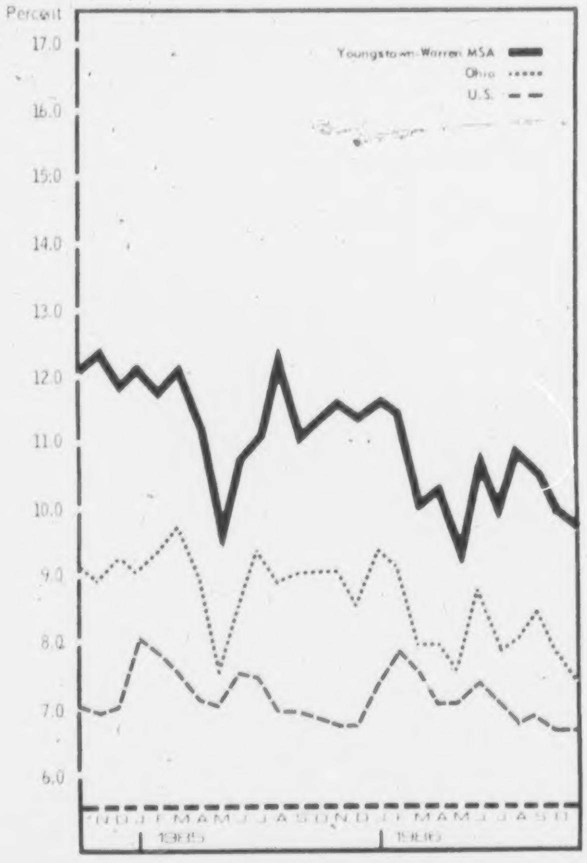
Nonagricultural wage and salary employment for the Youngstown-Warren metropolitan area totaled 193,300 in December, an increase of 300 from November. Manufacturing employment was virtually unchanged at 52,000. Transportation equipment and primary metal industries had slight increases. Gains in retail trade were negated by losses in construction. Production workers averaged a 42.7 hour workweek, up .8 hours from last month. Their average hourly earnings were up $.13 from November, to $13.45.

Nonfarm wage and salary employment advanced 5,000 from December 1985. Nonmanufacturing industries were responsible for the expansion, especially services and retail trade. Losses in primary metal industries, nonelectrical machinery, and fabricated metal products contributed to the reduction of 800 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



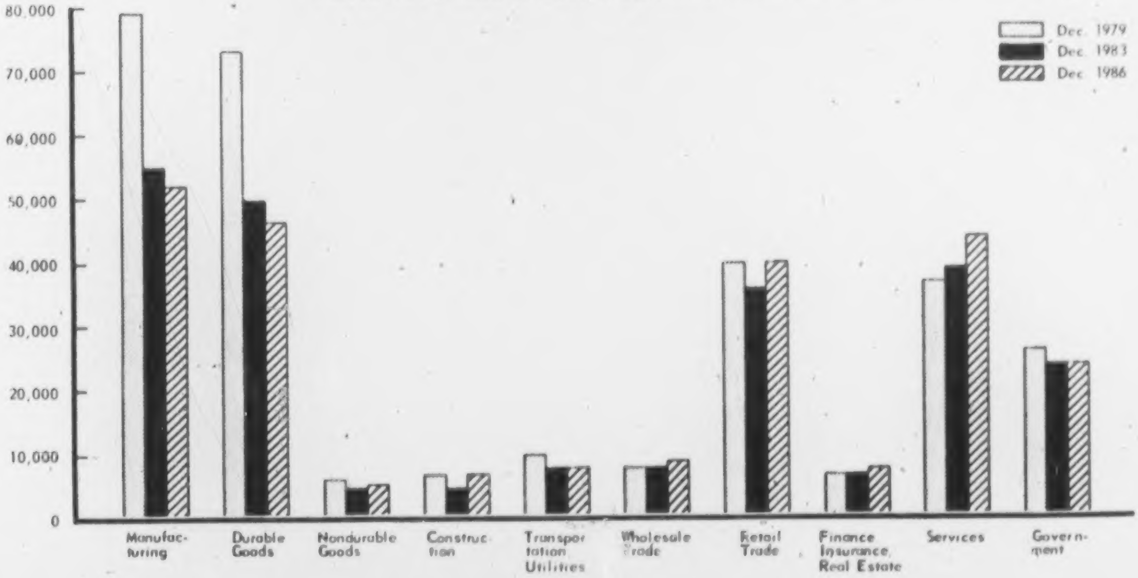
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	*Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	*Average Hourly Earnings
236.7	209.8	26.9	11.4	1975	200.7	80.8	63.3	$246.65	38.6	$ 6.39
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	277.29	39.5	7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.2	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
220.1	195.2	24.9	11.3	1985	183.9	52.5	39.6	570.64	43.1	13.24
				1985						
223.4	197.5	25.9	11.6	November	187.7	52.7	39.5	599.42	44.5	13.47
223.0	197.8	25.2	11.3	December	188.3	52.9	39.7	614.44	44.3	13.87
				1986						
219.5	194.0	25.5	11.6	January	184.2	52.9	39.5	574.01	42.3	13.57
222.1	196.9	25.2	11.4	February	183.2	51.9	38.7	570.12	42.2	13.51
221.6	199.5	22.1	10.0	March	184.5	51.6	38.5	549.61	41.2	13.34
221.8	198.9	22.9	10.3	April	187.0	51.4	38.3	542.93	41.1	13.21
219.5	199.4	20.1	9.2	May	190.1	51.9	38.8	533.79	40.5	13.18
224.2	200.1	24.1	10.8	June	190.9	51.8	38.7	539.97	41.0	13.17
224.8	202.6	22.2	9.9	July	188.8	51.2	38.2	542.93	41.1	13.21
225.4	200.8	24.7	10.9	August	188.6	51.3	38.3	541.03	41.3	13.10
221.8	198.4	23.4	10.5	September	192.4	52.1	39.2	557.69	41.9	13.31
225.1	202.9	22.2	9.9	October	193.0	52.1	39.3	544.75	41.3	13.19
226.2	204.4	21.8	9.7	November	193.0	51.9	39.1	558.11	41.9	13.32
INA	INA	INA	INA	December	193.3	52.0	39.2	574.32	42.7	13.45

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	December 1986[b]	November 1986[c]	December 1985[c]	From Last Month	From Last Year
TOTAL	193.3	193.0	188.3	.3	5.0
MANUFACTURING	52.0	51.9	52.9	.1	- .8
Durable Goods	46.5	46.2	47.7	.3	- 1.1
Primary metal industries	20.4	20.3	20.9	.1	- .5
Blast furnace and basic steel products	6.8	6.8	6.7	.0	.1
Fabricated metal products	7.5	7.6	7.7	.0	- .2
Machinery, except electrical	3.2	3.1	3.4	.0	- .3
Electric and electronic equipment	2.5	2.5	2.5	.0	.0
Transportation equipment	9.9	9.7	9.9	.2	.0
Nondurable Goods	5.5	5.7	5.2	- .2	.3
NONMANUFACTURING	141.2	141.1	135.4	.1	5.8
CONSTRUCTION	6.9	7.7	6.5	- .7	.5
TRANSPORTATION AND PUBLIC UTILITIES	8.3	8.2	7.6	.1	.7
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	9.0	9.1	9.1	.0	.0
Wholesale trade-durable goods	6.0	6.0	6.1	.0	- .1
RETAIL TRADE	40.4	39.7	38.9	.7	1.5
General merchandise stores	6.4	6.1	6.4	.2	- .1
FINANCE, INSURANCE, AND REAL ESTATE	8.0	7.9	7.5	.1	.5
Banking	2.6	2.6	2.5	.0	.1
SERVICES	43.6	43.7	41.1	- .1	2.5
Health services	18.4	18.4	17.9	.0	.5
GOVERNMENT	24.3	24.2	24.0	.2	.3
State government	4.0	4.1	4.1	.0	- .1
State government education	2.6	2.6	2.6	.0	- .1
State government, except education	1.5	1.4	1.5	.0	.0
Local government	18.2	18.1	17.8	.2	.4
Local government education	11.7	11.6	11.4	.1	.3
Local government, except education	6.6	6.5	6.4	.1	.1

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1986[b]	November 1986[c]	December 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]	Dec. 1986[b]	Nov. 1986[c]	Dec. 1985[c]
MANUFACTURING	$574.32	$558.11	$614.44	42.7	41.9	44.3	$13.45	$13.32	$13.87
Durable Goods[e]	593.40	577.72	635.10	43.0	42.2	44.6	13.80	13.69	14.24
Primary metal industries	597.79	600.70	586.71	41.6	41.6	41.0	14.37	14.44	14.31
Blast furnace and basic steel products	662.49	664.01	488.07	43.7	43.8	36.1	15.16	15.16	13.52
Fabricated metal products	570.84	564.98	627.29	42.6	42.1	44.3	13.40	13.42	14.16
Machinery, except electrical	480.38	467.31	501.93	41.7	40.6	42.9	11.52	11.51	11.70
Electric and electronic equipment	416.32	431.20	399.09	38.8	40.0	38.3	10.73	10.78	10.42
Transportation equipment	724.09	659.90	897.62	47.7	44.8	54.6	15.18	14.73	16.44
Nondurable Goods[f]	383.33	367.44	372.37	39.6	38.8	40.3	9.68	9.47	9.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	538.01	541.49	532.77	40.3	40.5	41.3	13.35	13.37	12.90
WHOLESALE TRADE	332.64	336.52	320.29	37.8	37.6	37.2	8.80	8.95	8.61
RETAIL TRADE[h]	171.37	166.99	167.74	29.7	29.4	29.9	5.77	5.68	5.61

[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, instruments and related products, miscellaneous manufacturing [f] Includes food and kindred products, tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastics products, leather and leather products [g] Includes mining [h] Money payments only, tips not included [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j] Depressed due to labor-management disputes

Selected Administrative Program Activities

	December 1986	November 1986	December 1985
Employment Service Program			
New Applicants	INA	1,851	2,269
Active File of Job Seekers	INA	30,211	32,265
Referrals to Jobs	INA	1,174	880
Placements	INA	353	361
Job Openings Received	INA	474	503
Job Openings Unfilled	INA	483	487
Unemployment Insurance Program			
Initial Claims	12,045	6,129	8,209
Continued Claims	35,271	21,451	30,708
First Payments	2,740	1,286	2,276
Last Payments	324	271	315
Weeks Compensated	24,123	17,652	23,803
Benefits Paid	$3,301,507	$2,479,656	$3,535,655
Average Weekly Payment	$147.49	$145.74	$152.81

INA - Information Not Available.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	41
Manufacturing	60
Nonmanufacturing	35
Mining	50
Construction	20
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	21
Finance, Insurance, and Real Estate	44
Services and Miscellaneous	24
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1985 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Civilian Labor Force and Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed. For methodology, see January 1986 issue.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow.

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	December 1986	November 1986	December 1985
New Applicants	INA	37,778	43,279
Active File of Job Seekers	INA	379,508	428,237
Counseling Interviews	INA	1,577	2,135
Tests Administered	INA	3,296	1,327
General Aptitude Tests	INA	211	251
Proficiency Tests	INA	432	481
Specific Aptitude Tests	INA	346	330
Referrals to Jobs	INA	18,938	17,720
Placements	INA	5,775	6,752
Job Openings Received	INA	8,392	9,056
Job Openings Unfilled	INA	22,542	21,499

Selected Unemployment Insurance Activities

	December 1986	November 1986	December 1985
Initial Claims	109,051	67,691	105,007
Continued Claims	566,783	394,157	576,558
First Payments	32,342	21,704	32,987
Last Payments	7,206	6,575	7,621
Average Weekly Claimants	116,865	96,938	127,056
Average Weekly Benefit Recipients	90,801	77,319	101,618
Weeks Compensated	397,908	307,696	417,558
Benefits Paid	$58,128,167	$45,030,837	$60,367,599
Average Weekly Payment	$150.68	$150.35	$148.42
Continued Claims for Survey Week	116,843	99,523	126,611
Insured Unemployment Rate	2.8	2.3	3.1
Net Contributions	$4,932,037	$78,350,310	$5,047,067
Active Employer Accounts	193,872	193,478	190,830

INA - Information Not Available

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information, contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

January 1987

Summary. Ohio's seasonally adjusted unemployment rate rose from 7.9 percent in December 1986 to 8.3 percent in January 1987, according to the most recent household survey. The national rate remained unchanged at 6.7 percent. Total employment in Ohio, at 4,850,000, was down 11,000 from December. The number of unemployed workers was up 22,000, to 437,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio rose 22,000 from December, to 4,554,000 in January, according to the latest employer survey. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio rose slightly from December, to 1,107,000. Increases in nondurable-goods employment were nearly offset by losses in durable-goods employment.

Nonmanufacturing. January nonmanufacturing employment in Ohio increased 21,000 from December, to 3,447,000. Services went up 7,000, construction rose 6,000, and retail trade gained 4,000. Government and finance, insurance, and real estate also advanced.

Over the Year. Ohio's civilian labor force increased by 69,000 from January 1986 to January 1987. Total employment was up 91,000, and there were 22,000 fewer jobless workers. The unemployment rate fell from 8.8 percent to 8.3 percent over the year. The national rate was unchanged at 6.7 percent. Nonagricultural employment in Ohio rose 116,000 from January 1986 to January 1987. Most of the increase occurred in services and retail trade, although all nonmanufacturing divisions, except mining, had significant gains. Manufacturing employment fell 17,000 over the year due to declines in durable-goods industries.

Factory Hours and Earnings. Manufacturing production workers had average weekly earnings of $502.58 in January, down $5.57 from December. Their average hourly workweek dropped .4 hours, to 42.7 hours. Decreased overtime reduced earnings in aircraft and parts, electric lighting and wiring, and metalworking machinery. Increases in earnings occurred in metal forgings and stampings, preserved fruits and vegetables, and electrical industrial apparatus.

Benefits and Costs. There were 105,164 initial claims filed under the Ohio Unemployment Compensation Law in January, down 3.6 percent from December, but up 2.6 percent from January 1986. Total benefits paid amounted to $80.0 million, up 37.6 percent from last month. The average weekly benefit check of $151.19 was $.51 higher. The average weekly number of benefit recipients rose 27.8 percent, to 116,003. At the end of January, there were 194,291 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 48,475 new job applicants in January, up 16.2 percent from December. The number of job openings received from employers rose 21.3 percent, to 9,021. The Employment Services Division made 19,338 job referrals and 3,772 placements.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Dr. Roberta Steinbacher, Administrator

REVISIONS

The Civilian Labor Force series has been revised by the U.S. Bureau of Labor Statistics to reflect adjusted population estimates from the Bureau of the Census.

The Nonagricultural Wage and Salary Employment series for 1985 and 1986 have been revised to the 1986 benchmark, a complete count of employment by industry.

1987 SEASONAL ADJUSTMENT FACTORS

Month	Manufacturing Durable Goods	Manufacturing Nondurable Goods	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, and Real Estate	Services	Government
January	0.991	0.990	0.983	0.847	0.977	0.990	0.978	0.990	0.975	1.002
February	0.990	0.988	0.965	0.815	0.976	0.988	0.962	0.989	0.979	1.017
March	0.996	0.990	0.964	0.855	0.982	0.991	0.967	0.991	0.984	1.020
April	0.999	0.993	0.973	0.941	0.993	0.997	0.988	0.995	1.002	1.018
May	1.002	0.997	0.990	1.007	1.000	1.001	1.002	1.000	1.009	1.023
June	1.008	1.005	1.011	1.051	1.009	1.008	1.009	1.009	1.017	0.999
July	1.002	1.003	1.026	1.094	1.009	1.007	1.007	1.013	1.012	0.945
August	1.001	1.010	1.021	1.114	1.012	1.007	1.010	1.012	1.011	0.936
September	1.005	1.017	1.023	1.111	1.013	1.003	1.010	1.005	1.014	0.983
October	1.002	1.005	1.020	1.110	1.013	1.003	1.010	0.999	1.006	1.014
November	1.003	1.002	1.018	1.063	1.009	1.003	1.021	0.998	0.999	1.020
December	1.000	1.001	1.005	0.991	1.008	1.002	1.035	0.998	0.992	1.023

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1987	Dec. 1986	Jan. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,287	5,276	5,218	11	69	0.2	1.3
Employment	4,850	4,861	4,759	-11	91	-0.2	1.9
Unemployment	437	415	459	22	-22	5.3	-4.8
Unemployment Rate	8.3	7.9	8.8				
Employer Survey Data[e]							
Total	4,554	4,532	4,438	22	116	0.5	2.6
Manufacturing	1,107	1,106	1,124	1	-17	0.1	-1.5
Durable Goods	748	750	767	-1	-18	-0.2	-2.4
Nondurable Goods	358	356	357	2	1	0.6	0.2
Nonmanufacturing	3,447	3,426	3,314	21	133	0.6	4.0
Mining	22	22	25	0	-4	0.0	-14.0
Construction	171	165	158	6	12	3.5	7.8
Transportation and Public Utilities	210	210	203	0	7	-0.2	3.4
Wholesale Trade	249	249	245	0	4	0.1	1.5
Retail Trade	840	836	806	4	34	0.5	4.2
Finance, Insurance, and Real Estate	239	237	226	1	13	0.5	5.7
Services	1,032	1,026	974	7	58	0.6	6.0
Government	685	682	677	3	9	0.5	1.3
Goods Producing Industries[f]	1,299	1,292	1,307	7	-9	0.5	-0.7
Service Producing Industries[g]	3,255	3,240	3,130	15	125	0.5	4.0

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1985
5,104	4,668	436	8.5	7.4	January
5,109	4,661	448	8.8	7.3	February
5,132	4,657	475	9.3	7.2	March
5,133	4,670	463	9.0	7.3	April
5,084	4,664	420	8.3	7.2	May
5,078	4,645	433	8.5	7.3	June
5,150	4,647	503	9.8	7.3	July
5,132	4,675	457	8.9	7.1	August
5,167	4,701	466	9.0	7.1	September
5,172	4,707	465	9.0	7.1	October
5,192	4,727	465	9.0	7.0	November
5,185	4,754	431	8.3	7.0	December
					1986
5,218	4,759	459	8.8	6.8	January
5,325	4,869	456	8.6	7.2	February
5,297	4,896	401	7.6	7.2	March
5,248	4,823	425	8.1	7.1	April
5,214	4,784	430	8.2	7.2	May
5,204	4,752	452	8.7	7.1	June
5,204	4,777	427	8.2	7.0	July
5,185	4,763	422	8.1	6.8	August
5,163	4,734	429	8.3	7.0	September
5,214	4,810	404	7.7	6.9	October
5,264	4,875	389	7.4	6.9	November
5,276	4,861	415	7.9	6.7	December
					1987
5,287	4,850	437	8.3	6.7	January

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1985				
January	4,320	1,133	778	355
February	4,326	1,133	778	355
March	4,345	1,130	775	355
April	4,359	1,127	772	355
May	4,379	1,128	773	356
June	4,368	1,124	770	355
July	4,374	1,122	767	355
August	4,380	1,119	763	356
September	4,385	1,114	759	355
October	4,398	1,117	762	356
November	4,410	1,120	763	357
December	4,422	1,123	766	357
1986				
January	4,438	1,124	767	357
February	4,440	1,122	764	357
March	4,440	1,117	760	356
April	4,459	1,117	761	356
May	4,464	1,112	756	356
June	4,466	1,111	755	356
July	4,472	1,103	749	354
August	4,484	1,103	748	355
September	4,488	1,100	744	355
October	4,497	1,094	739	355
November	4,517	1,103	747	356
December	4,532	1,106	750	356
1987				
January	4,554	1,107	748	358

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
					1985
3,187	27	151	202	243	January
3,193	27	148	203	243	February
3,215	27	152	203	244	March
3,232	27	154	203	244	April
3,250	27	155	203	245	May
3,244	26	154	203	244	June
3,252	26	154	202	243	July
3,261	25	154	202	243	August
3,272	25	155	202	244	September
3,280	25	156	202	244	October
3,290	25	155	203	244	November
3,300	25	158	203	244	December
					1986
3,314	25	158	203	245	January
3,319	25	158	202	245	February
3,323	24	156	203	244	March
3,342	23	161	203	245	April
3,352	23	161	203	245	May
3,355	22	160	202	245	June
3,369	22	160	206	245	July
3,381	22	161	207	246	August
3,388	22	162	208	247	September
3,402	22	162	209	247	October
3,414	22	164	210	247	November
3,426	22	165	210	249	December
					1987
3,447	22	171	210	249	January

	Retail Trade	Finance Insurance & Real Estate	Services	Government
1985				
January	771	215	927	652
February	769	216	930	658
March	776	216	935	662
April	782	217	942	664
May	788	218	949	664
June	789	218	948	663
July	790	219	952	667
August	793	220	956	667
September	794	222	959	671
October	798	223	962	670
November	801	224	965	672
December	802	225	969	673
1986				
January	806	226	974	677
February	809	227	977	676
March	811	227	981	676
April	813	229	989	678
May	816	231	994	679
June	818	231	996	680
July	820	233	1002	680
August	824	234	1005	682
September	826	234	1008	682
October	831	236	1013	682
November	833	236	1020	682
December	836	237	1026	682
1987				
January	840	239	1032	685

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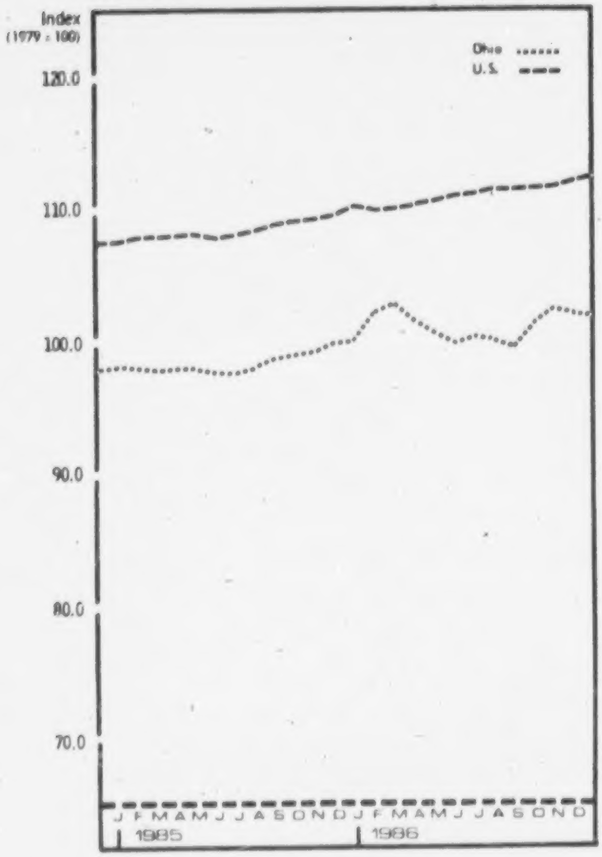
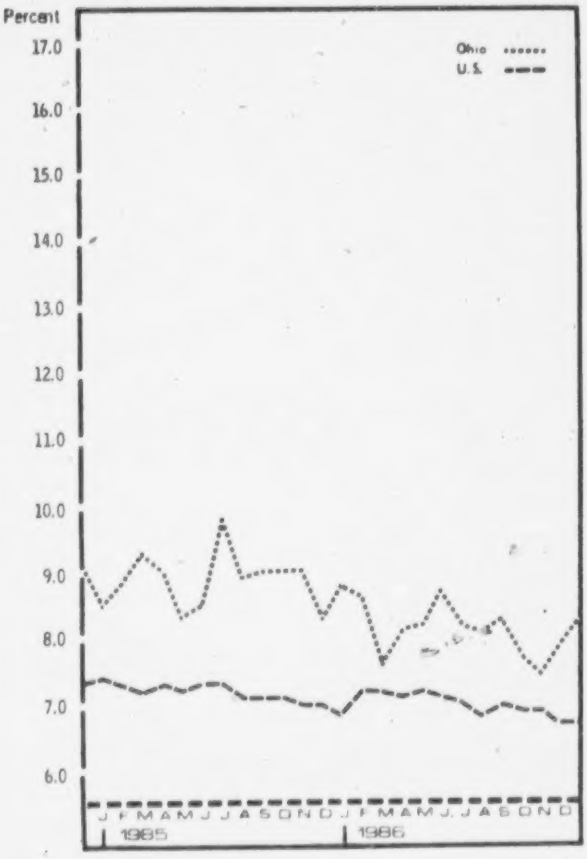
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

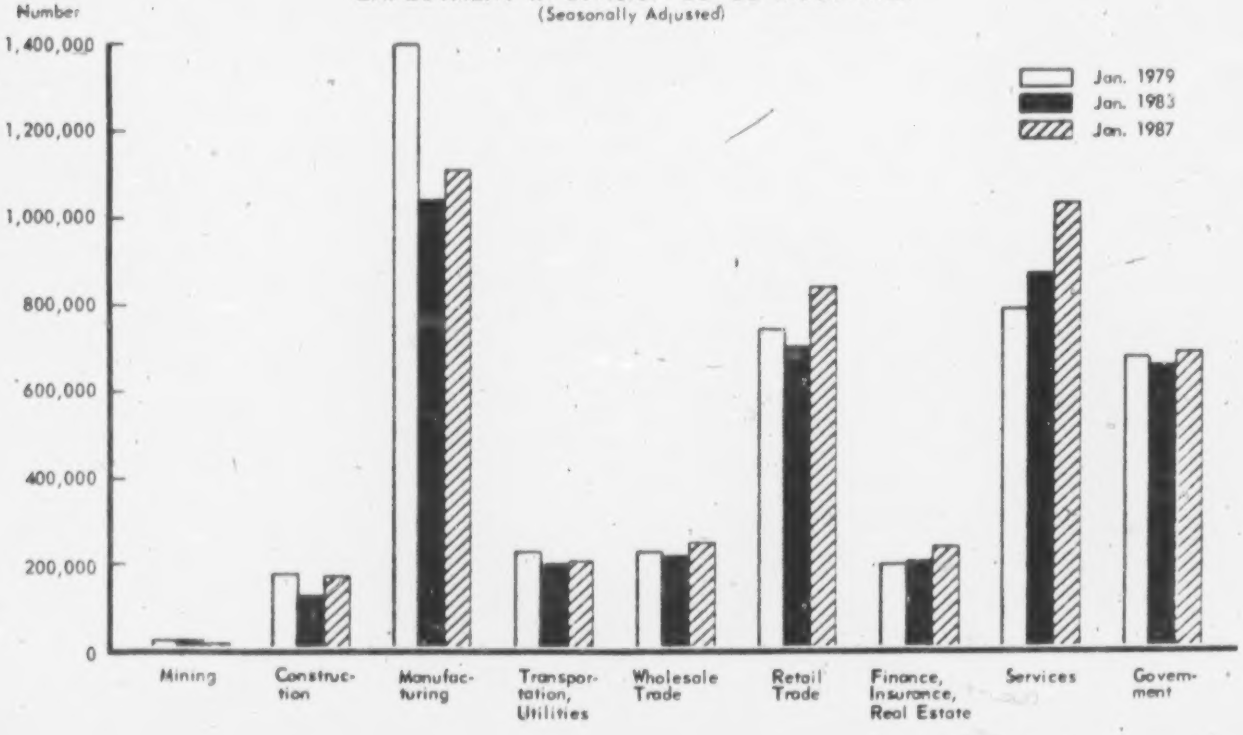
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force Total	Employed	Unemployed	Unemployment Rate Ohio	Unemployment Rate U.S.		Total Nonagricultural	Manufacturing	Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.6	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.[illegible]	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	721.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.2	766.7	355.5
5,234	4,809	425	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1985				
5,127	4,652	475	9.3	7.3	January	4,352.2	1,113.5	759.6	353.9
5,220	4,747	473	9.1	7.8	February	4,348.7	1,109.8	756.7	353.1
5,233	4,819	415	7.9	7.5	March	4,374.5	1,110.0	757.2	352.8
5,225	4,811	414	7.9	7.0	April	4,446.7	1,114.1	760.3	353.8
5,187	4,798	389	7.5	7.0	May	4,491.6	1,112.3	757.2	355.1
5,267	4,809	458	8.7	7.3	June	4,510.6	1,118.3	760.1	358.2
5,295	4,882	413	7.8	7.0	July	4,478.3	1,105.8	750.8	355.2
5,261	4,838	423	8.0	6.7	August	4,488.4	1,107.4	748.4	359.0
5,189	4,755	434	8.4	6.8	September	4,531.8	1,109.4	746.0	361.4
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,464.2	1,096.4	741.7	354.7

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	206.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	167.8	219.1	214.5	1977	703.2	183.4	731.4	642.1
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.5	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	206.6	851.6	675.0
3,024.4	30.3	134.6	206.6	226.0	1982	703.4	205.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.6	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,246.5	26.1	154.0	202.7	243.7	1985	787.6	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.6	998.8	679.6
					1986				
3,238.7	24.7	133.8	196.0	242.9	January	768.0	223.4	949.7	678.0
3,238.8	23.8	120.7	197.5	241.9	February	778.7	224.2	956.8	687.1
3,264.5	23.1	133.9	196.9	242.3	March	784.8	225.3	965.2	690.5
3,332.6	22.6	151.3	201.9	244.2	April	803.5	228.1	990.8	690.1
3,378.5	22.5	162.0	203.2	245.6	May	817.2	230.6	1,003.4	694.8
3,392.6	22.5	169.1	203.7	247.0	June	825.3	233.5	1,012.8	676.8
3,372.5	22.6	175.3	208.1	247.1	July	825.9	236.1	1,013.8	643.5
3,381.0	22.3	179.1	209.9	247.8	August	832.0	236.4	1,015.5	637.8
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,456.0	22.1	174.2	211.2	248.8	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,367.8	21.2	144.5	204.8	246.4	January	821.4	236.3	1,008.5	686.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment

(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,295.3	910.6	384.6	1976
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.2	768.7	355.5	1985
1,109.3	753.2	356.1	1986
			1986
1,113.5	759.6	353.9	January
1,109.8	756.7	353.1	February
1,110.0	757.2	352.8	March
1,114.1	760.3	353.8	April
1,112.3	757.2	355.1	May
1,118.3	760.1	358.2	June
1,105.8	750.6	355.2	July
1,107.4	748.4	359.0	August
1,109.4	748.0	361.4	September
1,098.4	741.5	356.9	October
1,105.8	749.1	356.7	November
1,106.3	749.6	356.7	December
			1987
1,096.4	741.7	354.7	January

Production Workers in Manufacturing

	Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1976	926.1	$233.9	38.2
1977	958.0	271.2	40.2
1978	985.5	302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.0	368.9	31.9
1986			
January	764.8	373.4	32.3
February	761.2	372.0	32.1
March	761.5	371.6	32.1
April	764.1	367.9	31.9
May	761.6	365.8	31.8
June	764.9	368.5	32.0
July	751.6	357.5	31.1
August	753.5	362.7	31.6
September	756.4	366.5	32.0
October	746.3	360.9	31.3
November	755.2	375.4	32.2
December	755.4	383.8	32.6
1987			
January	746.9	375.4	31.9

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.01	414.80	378.95	1982
437.18	452.35	402.52	1983
463.51	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
488.25	511.70	434.51	January
488.66	512.90	432.41	February
488.25	512.48	433.46	March
481.54	504.71	426.59	April
486.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	438.19	July
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.11	January

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.7	41.6	41.3	1976
42.0	42.2	41.6	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.8	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
42.2	42.5	41.7	January
42.2	42.6	41.3	February
42.2	42.6	41.4	March
41.8	42.2	40.9	April
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.0	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$6.10	$6.25	$5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
January	11.57	12.04	10.42
February	11.58	12.04	10.47
March	11.57	12.03	10.49
April	11.52	11.98	10.43
May	11.49	11.90	10.53
June	11.50	11.90	10.57
July	11.49	11.86	10.61
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.77

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio*

Employment

(in thousands)

	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
1976	66.3	154.6	157.9
1977	67.1	157.7	166.5
1978	69.3	157.5	173.3
1979	69.7	158.9	175.5
1980	64.5	139.8	157.6
1981	61.0	138.3	154.9
1982	54.2	112.7	134.9
1983	52.1	104.1	129.7
1984	52.5	108.9	138.7
1985	50.5	101.8	139.5
1986	49.4	95.4	136.8
1986			
January	48.2	96.8	137.0
February	47.7	95.8	137.0
March	48.2	99.0	137.4
April	49.6	98.5	137.9
May	49.9	98.4	137.6
June	50.5	97.2	137.8
July	50.4	93.9	135.5
August	50.6	91.9	135.5
September	50.4	90.1	137.2
October	48.6	90.9	136.0
November	49.2	93.6	136.3
December	49.0	94.1	136.0
1987			
January	47.9	94.0	134.2

	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment
1976	205.9	115.5	143.0
1977	210.7	120.9	151.8
1978	216.7	122.2	164.1
1979	223.6	117.6	165.8
1980	211.4	106.4	139.1
1981	204.2	101.9	136.9
1982	176.7	93.4	121.7
1983	154.3	89.4	132.1
1984	167.3	93.1	144.9
1985	166.1	90.7	151.2
1986	158.7	89.8	153.5
1986			
January	161.6	89.9	155.4
February	160.5	88.9	155.6
March	160.7	89.0	154.3
April	160.5	89.6	154.5
May	160.3	90.1	150.5
June	160.3	89.6	154.0
July	159.0	89.1	153.5
August	158.3	90.4	151.1
September	158.1	90.1	151.2
October	152.7	90.1	152.5
November	156.0	90.2	153.8
December	156.1	90.2	154.4
1987			
January	155.2	90.6	151.6

	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	73.8	[illegible]	96.2
1977	74.6	65.4	107.4
1978	74.6	66.5	107.6
1979	74.4	67.6	106.7
1980	72.7	67.4	92.7
1981	69.2	66.1	89.8
1982	66.9	63.2	85.4
1983	63.6	62.8	87.7
1984	62.8	65.1	90.8
1985	62.9	[illegible]	91.4
1986	62.6	68.0	91.5
1986			
January	61.3	67.8	91.8
February	60.9	67.0	92.2
March	60.7	67.6	92.1
April	60.6	68.0	92.4
May	61.6	68.1	92.3
June	62.6	68.9	92.9
July	63.0	68.9	90.2
August	66.2	68.9	90.2
September	66.6	69.3	91.2
October	63.1	69.4	90.6
November	62.4	69.4	90.9
December	62.7	69.1	91.3
1987			
January	62.2	68.6	91.2

Average Weekly Earnings of Production Workers

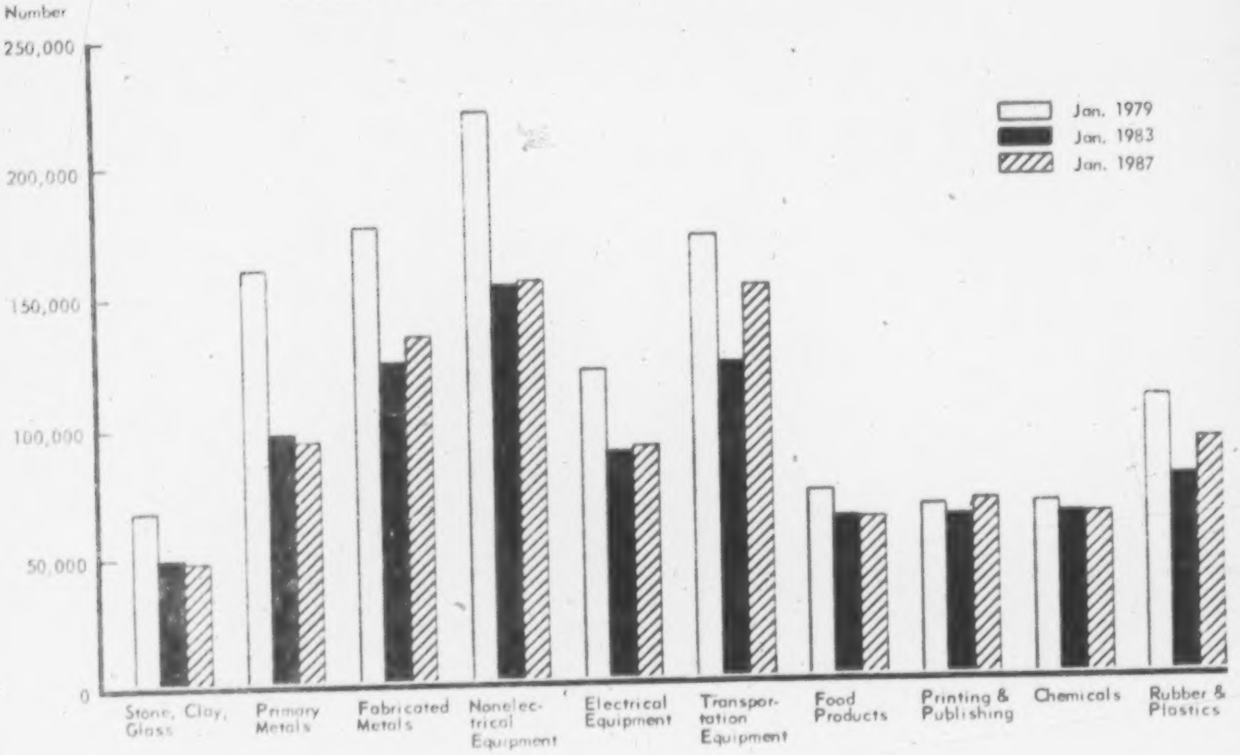
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
1976	$232.40	$294.58	$256.68
1977	253.95	329.54	290.44
1978	274.81	366.24	307.23
1979	293.34	395.43	323.38
1980	315.43	422.01	349.34
1981	349.02	484.04	389.51
1982	376.88	480.54	398.77
1983	400.57	503.85	460.65
1984	419.15	537.21	475.30
1985	434.30	546.83	492.15
1986	443.81	559.93	494.91
1986			
January	437.22	555.59	500.65
February	434.84	561.19	496.16
March	446.37	550.78	506.32
April	444.11	546.40	495.01
May	446.37	547.80	486.36
June	443.56	546.89	494.06
July	442.24	548.05	472.65
August	449.86	566.46	486.99
September	447.62	559.68	494.38
October	447.44	563.50	488.36
November	442.08	583.73	503.01
December	441.00	596.23	515.70
1987			
January	444.03	593.16	516.40

	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment
1976	$253.31	$221.54	$302.87
1977	279.18	248.44	359.20
1978	306.16	268.45	389.66
1979	329.09	289.27	391.56
1980	352.77	316.31	414.83
1981	389.16	350.27	471.50
1982	392.63	366.56	506.99
1983	424.09	394.63	557.92
1984	467.61	420.65	603.46
1985	475.58	433.30	635.26
1986	485.18	459.80	632.06
1986			
January	480.11	454.30	649.52
February	483.51	460.06	652.24
March	489.20	459.80	644.67
April	482.22	452.79	632.60
May	481.20	451.28	620.54
June	483.07	450.58	616.40
July	473.30	449.11	600.66
August	481.85	452.35	616.40
September	485.41	464.88	629.31
October	482.58	456.77	610.76
November	492.33	471.33	646.46
December	510.82	489.89	656.48
1987			
January	500.98	476.96	647.01

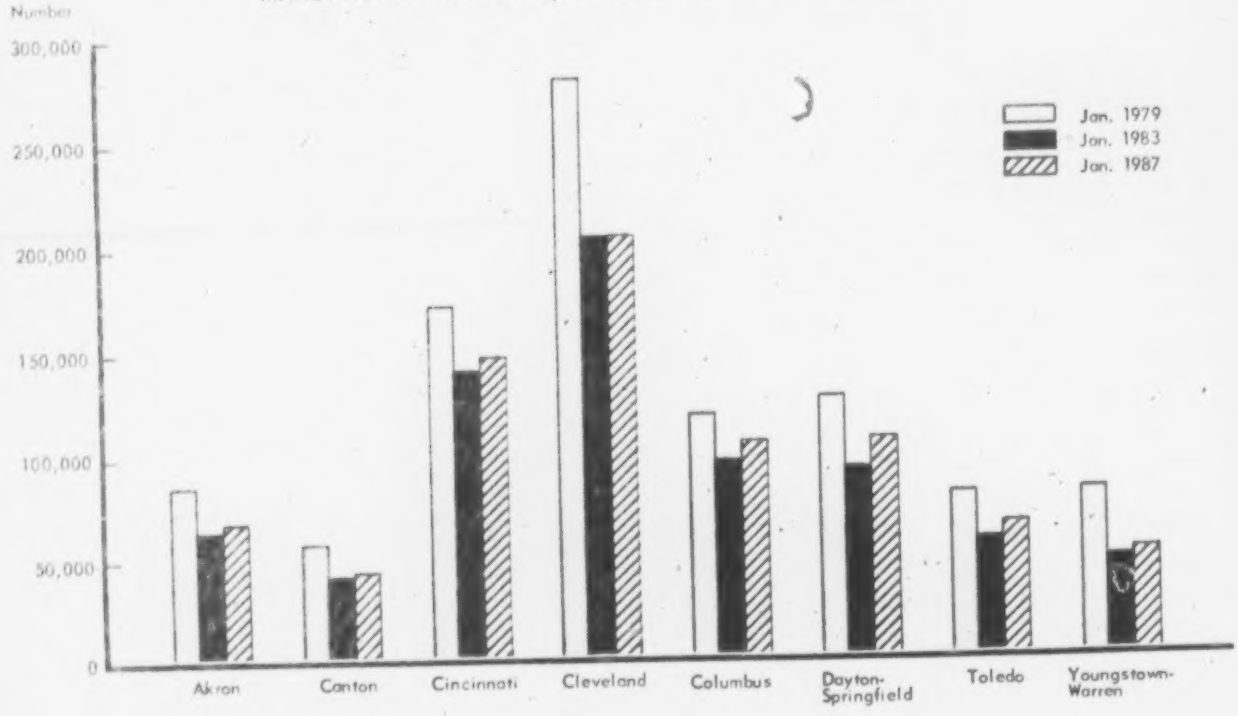
	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	$242.92	$252.20	$237.30
1977	256.54	271.68	263.97
1978	281.15	285.18	282.73
1979	304.60	302.67	300.66
1980	329.65	320.92	323.61
1981	362.75	347.70	356.67
1982	386.04	358.45	381.11
1983	403.79	375.62	412.25
1984	419.19	386.30	419.99
1985	413.25	395.14	426.17
1986	416.83	410.70	438.96
1986			
January	405.32	403.37	442.86
February	402.98	400.62	438.44
March	395.39	408.67	436.60
April	399.10	398.91	423.43
May	419.67	407.33	433.15
June	417.91	402.80	443.66
July	431.04	406.75	431.36
August	422.99	410.90	438.65
September	420.33	417.40	441.34
October	426.72	418.95	443.23
November	423.85	429.37	447.39
December	436.77	429.46	444.19
1987			
January	442.00	409.05	440.84

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
TOTAL	4464.2	4569.4	4352.2	-105.2	112.0
MANUFACTURING	1096.4	1106.3	1113.5	- 9.9	- 17.1
Durable Goods[e]	741.7	749.6	759.6	- 7.9	- 17.9
Lumber and wood products	18.2	18.4	16.7	- .2	1.5
Furniture and fixtures	14.5	14.5	14.1	- .1	.3
Stone, clay, and glass products	47.9	49.0	48.2	- 1.1	- .3
Glass and glassware, pressed or blown	10.8	11.0	11.1	- .2	- .2
Primary metal industries	94.0	94.1	98.8	- .2	- 4.8
Blast furnace and basic steel products	42.7	42.1	44.3	.5	- 1.6
Iron and steel foundries	19.3	19.4	20.6	- .2	- 1.4
Nonferrous rolling and drawing	17.1	17.6	18.4	- .5	- 1.3
Fabricated metal products	134.2	136.0	137.0	- 1.7	- 2.8
Cutlery, hand tools, and hardware	10.2	10.3	11.1	- .1	- .9
Fabricated structural metal products	28.8	29.2	28.5	- .4	.3
Metal forgings and stampings	42.9	43.4	43.7	- .5	- .8
Machinery, except electrical	155.2	156.1	161.6	- .8	- 6.4
Construction and related machinery	12.4	12.3	13.5	.1	- 1.1
Metalworking machinery	39.7	40.3	42.0	- .6	- 2.3
Special industry machinery	16.9	16.9	17.4	.0	- .5
General industrial machinery	27.4	27.5	29.2	- .1	- 1.8
Office and computing machines	13.4	13.4	13.5	.0	- .1
Refrigeration and service machinery	16.8	16.7	16.6	.1	.2
Electric and electronic equipment	90.6	90.2	89.9	.4	.7
Electrical industrial apparatus	16.9	16.8	17.7	.0	- .8
Household appliances	17.5	17.2	16.6	.4	.9
Electric lighting and wiring equipment	17.9	18.0	18.1	.0	- .1
Communication equipment	10.6	10.6	10.6	.0	.0
Transportation equipment	151.6	154.4	156.4	- 2.8	- 4.8
Motor vehicles and equipment	95.8	98.6	101.7	- 2.8	- 5.9
Aircraft and parts	46.2	46.5	45.5	- .2	.7
Instruments and related products	22.0	23.0	23.3	- .9	- 1.2
Measuring and controlling devices	11.9	12.2	12.3	- .3	- .4
Nondurable Goods[e]	354.7	356.7	353.9	- 2.0	.8
Food and kindred products	62.2	62.7	61.3	- .5	.9
Meat products	9.6	9.6	9.4	- .1	.2
Dairy products	10.2	10.1	9.5	.1	.7
Preserved fruits and vegetables	10.9	10.6	10.6	.3	.3
Bakery products	8.4	8.8	8.4	- .3	.0
Beverages	10.0	10.0	9.6	.0	.4
Apparel and other textile products	16.1	16.4	16.6	- .4	- .5
Paper and allied products	37.5	37.6	37.6	- .1	- .1
Misc. converted paper products	11.8	11.9	12.0	- .1	- .2
Paperboard containers and boxes	12.9	12.8	12.6	.1	.3
Printing and publishing	68.8	69.1	67.6	- .3	1.2
Newspapers	19.5	19.6	18.6	- .1	.9
Commercial printing	26.0	26.3	25.9	- .3	.1
Chemicals and allied products	63.1	63.3	62.3	- .2	.8
Industrial inorganic chemicals	10.0	10.1	9.9	- .1	.1
Rubber and misc. plastics products	91.3	91.3	91.8	.0	- .5
Tires and inner tubes	17.7	18.0	18.7	- .3	- 1.0
Miscellaneous plastics products	53.8	53.5	52.6	.3	1.2

See footnotes on page 13

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3367.9	3463.1	3238.7	- 95.3	129.2
MINING	21.2	21.8	24.7	- .5	- 3.5
Bituminous coal and lignite mining	9.7	9.8	10.6	.0	- .9
Oil and gas extraction	7.3	7.4	10.2	- .1	- 2.9
CONSTRUCTION	144.5	163.1	133.8	- 18.7	10.7
General building contractors	38.9	42.9	35.3	- 4.0	3.6
Heavy construction contractors	14.2	18.8	13.4	- 4.6	.8
Highway and street construction	5.3	8.1	4.2	- 2.8	1.1
Special trade contractors	91.3	101.4	85.2	- 10.1	6.1
TRANSPORTATION AND PUBLIC UTILITIES	204.8	211.5	198.0	- 6.7	6.8
Railroad transportation	14.3	14.9	15.4	- .6	- 1.1
Transportation, except railroads	96.9	102.6	92.5	- 5.7	4.4
Trucking and warehousing	67.6	72.0	65.5	- 4.3	2.1
Communication, electric, gas services	93.6	94.0	90.1	- .4	3.5
Communication	52.3	52.3	48.9	.0	3.4
Electric, gas, and sanitary services	41.3	41.7	41.2	- .4	.1
WHOLESALE TRADE	246.4	249.1	242.9	- 2.7	3.5
Wholesale trade-durable goods	155.8	157.6	154.6	- 1.8	1.2
Motor vehicles & automotive equipment	22.1	22.2	22.5	- .2	- .4
Electrical goods	20.8	21.2	20.7	- .4	.1
Machinery, equipment, and supplies	67.3	67.8	66.8	- .6	.5
Wholesale trade-nondurable goods	90.6	91.5	88.3	- .9	2.3
Groceries and related products	28.9	29.2	27.6	- .3	1.3
RETAIL TRADE	821.4	865.1	788.0	- 43.6	33.4
General merchandise stores	116.7	131.3	116.6	- 14.5	.2
Department stores	104.4	117.7	104.6	- 13.3	- .2
Food stores	128.8	133.4	125.7	- 4.5	3.1
Automotive dealers & service stations	92.1	92.3	87.9	- .3	4.2
Apparel and accessory stores	39.5	42.8	38.0	- 3.3	1.5
Eating and drinking places	281.9	293.3	267.5	- 11.4	14.5
FINANCE, INSURANCE, AND REAL ESTATE	236.3	237.1	223.4	- .8	12.9
Banking	62.2	62.2	60.7	.0	1.5
Credit agencies other than banks	37.6	37.8	34.7	- .2	2.9
Insurance carriers	64.0	64.1	61.1	- .2	2.8
Life insurance	23.6	23.8	23.2	- .3	.4
Fire, marine, and casualty insurance	28.6	28.7	27.9	- .1	.6
SERVICES	1006.5	1017.4	949.7	- 10.9	56.7
Hotels and other lodging places	31.8	32.9	31.2	- 1.1	.7
Personal services	56.4	55.4	53.4	1.0	3.0
Laundry, cleaning, & garment services	18.0	18.5	17.4	- .5	.7
Business services	199.5	201.2	177.7	- 1.7	21.8
Services to buildings	28.6	28.2	26.5	.3	2.0
Computer and data processing services	18.8	18.7	16.7	.1	2.1
Amusement and recreation services	28.6	33.1	27.3	- 4.5	1.3
Health services	352.1	352.0	335.0	.1	17.1
Nursing and personal care facilities	77.5	77.5	73.5	.1	4.1
Hospitals	173.5	173.4	166.2	.1	7.3
Educational services	59.8	61.2	61.3	- 1.5	- 1.5
Colleges and universities	32.3	33.3	33.6	- 1.0	- 1.3
GOVERNMENT	686.8	698.0	678.0	- 11.2	8.8
Federal government	93.2	94.0	93.2	- .7	.0
State government	150.0	156.5	147.5	- 6.5	2.5
State government education	78.6	84.6	78.2	- 6.1	.4
State government, except education	71.4	71.9	69.3	- .4	2.1
Local government	443.6	447.5	437.3	- 4.0	6.3
Local government education	260.7	263.7	254.7	- 3.0	6.0
Local government, except education	182.9	183.8	182.6	- .9	.3

See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$502.58	$508.15	$488.25	42.7	43.1	42.2	$11.77	$11.79	$11.57
Durable Goods*	524.96	531.14	511.70	43.1	43.5	42.5	12.18	12.21	12.04
Lumber and wood products	287.34	292.09	282.89	40.3	40.4	39.9	7.13	7.23	7.09
Furniture and fixtures	353.38	359.11	328.20	40.9	42.1	39.4	8.64	8.53	8.33
Stone, clay and glass products	444.03	441.00	437.22	41.0	41.1	40.9	10.83	10.73	10.69
Glass and glassware, pressed or blown	470.49	466.09	466.02	40.7	40.6	40.7	11.56	11.48	11.45
Primary metal industries	593.16	596.23	555.59	44.2	44.1	41.9	13.42	13.52	13.26
Blast furnace and basic steel products	612.77	621.45	531.47	44.5	44.2	39.9	13.77	14.06	13.32
Iron and steel foundries	636.12	635.64	621.19	45.6	45.5	43.9	13.95	13.97	14.15
Nonferrous rolling and drawing	581.99	562.93	598.23	41.9	41.0	42.7	13.89	13.73	14.01
Fabricated metal products	518.40	519.70	500.65	43.2	43.5	42.5	12.00	11.95	11.78
Cutlery, hand tools, and hardware	468.86	484.00	507.16	39.6	40.3	41.3	11.84	12.01	12.28
Fabricated structural metal products	442.05	454.71	423.69	42.1	43.1	42.2	10.50	10.55	10.04
Metal forgings and stampings	676.11	664.02	635.60	45.9	45.7	44.2	14.73	14.53	14.38
Machinery, except electrical	500.98	510.82	480.11	42.6	43.4	42.3	11.76	11.77	11.35
Construction and related machinery	409.85	427.20	404.60	40.7	41.8	40.5	10.07	10.22	9.99
Metalworking machinery	468.68	490.31	456.42	42.3	43.7	42.3	11.08	11.22	10.79
Special industry machinery	461.58	481.00	448.28	42.0	43.1	41.7	10.99	11.16	10.75
General industrial machinery	506.30	526.25	491.91	42.5	43.1	41.9	11.96	12.21	11.74
Office and computing machines	387.06	431.21	374.59	40.7	44.5	41.3	9.51	9.69	9.07
Refrigeration and service machinery	627.97	614.90	610.64	43.7	43.0	44.9	14.37	14.30	13.60
Electric and electronic equipment	476.96	489.99	454.30	42.7	43.2	41.3	11.17	11.34	11.00
Electrical industrial apparatus	450.84	429.87	443.36	41.9	40.1	40.9	10.76	10.72	10.84
Household appliances	521.65	534.60	474.35	44.7	45.0	41.5	11.67	11.88	11.43
Electric lighting and wiring equipment	495.10	532.07	426.19	42.1	43.9	39.1	11.76	12.12	10.90
Communication equipment	462.24	488.38	508.38	40.3	41.6	42.4	11.47	11.74	11.99
Transportation equipment	647.01	656.48	649.52	44.9	45.4	45.2	14.41	14.46	14.37
Motor vehicles and equipment	676.33	674.97	687.92	45.3	45.3	45.8	14.93	14.90	15.02
Aircraft and parts	584.33	623.76	546.41	44.1	46.0	43.4	13.25	13.56	12.59
Instruments and related products	366.33	392.46	357.90	40.3	42.2	39.9	9.09	9.30	8.97
Measuring and controlling devices	378.10	369.33	347.27	39.8	39.5	38.5	9.50	9.35	9.02
Nondurable Goods	449.11	454.92	434.51	41.7	42.2	41.7	10.77	10.78	10.42
Food and kindred products	442.00	436.77	405.32	42.5	42.2	40.9	10.40	10.35	9.91
Meat products	385.43	374.22	366.00	41.4	40.5	40.0	9.31	9.24	9.15
Dairy products	459.43	469.37	427.32	42.5	43.5	42.1	10.81	10.79	10.15
Preserved fruits and vegetables	456.13	422.06	389.09	43.4	41.5	40.7	10.51	10.17	9.56
Bakery products	460.21	462.56	434.69	39.1	39.4	38.4	11.77	11.74	11.32
Beverages	410.76	420.16	415.95	41.2	42.1	40.9	9.97	9.98	10.17
Apparel and other textile products	281.25	272.19	267.67	37.6	37.7	37.7	7.48	7.22	7.10
Paper and allied products	506.92	503.10	481.23	45.1	44.8	44.6	11.24	11.23	10.79
Misc. converted paper products	492.77	468.00	440.67	46.4	45.0	44.2	10.62	10.40	9.97
Paperboard containers and boxes	433.87	434.30	403.75	43.0	43.0	42.5	10.09	10.10	9.50
Printing and publishing	409.05	429.46	403.37	37.7	39.4	38.6	10.85	10.90	10.45
Newspapers	342.38	376.88	329.31	33.6	36.1	33.5	10.19	10.44	9.83
Commercial printing	396.06	414.47	406.58	37.9	39.7	39.9	10.45	10.44	10.19
Chemicals and allied products	523.74	534.06	508.02	42.0	43.0	42.3	12.47	12.42	12.01
Industrial inorganic chemicals	547.96	559.99	552.98	41.2	42.2	42.8	13.30	13.27	12.92
Rubber and misc. plastics products	440.84	444.19	442.96	42.8	43.0	43.3	10.30	10.33	10.23
Tires and inner tubes	645.39	611.88	641.55	46.7	44.5	47.0	13.82	13.75	13.65
Miscellaneous plastics products	426.00	434.02	424.15	42.6	43.1	42.8	10.00	10.07	9.91

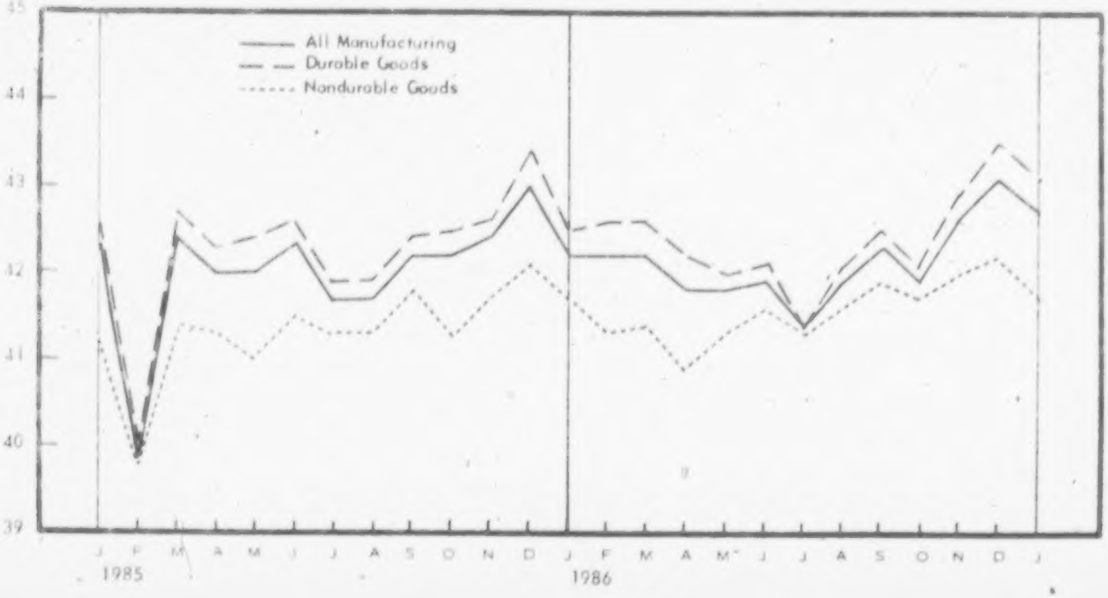
See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

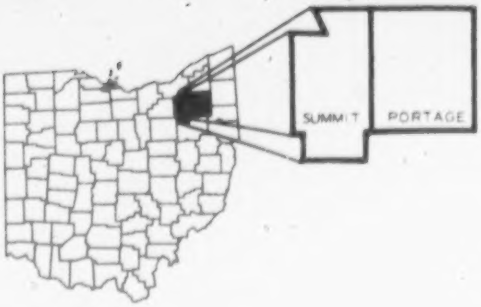
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MINING	$544.28	$551.88	$527.77	44.0	44.4	44.5	$12.37	$12.43	$11.86
Bituminous coal and lignite mining	638.84	646.05	636.23	41.7	42.0	42.7	15.32	15.38	14.90
CONSTRUCTION	562.56	557.78	502.18	38.4	38.1	[illegible]	14.65	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	545.92	553.73	516.65	41.1	41.2	40.3	13.28	13.44	12.82
Communication	549.10	549.92	502.44	41.1	41.1	39.3	13.36	13.38	12.78
Electric, gas, and sanitary services	550.74	559.73	534.42	41.1	41.4	41.7	13.40	13.52	12.82
WHOLESALE TRADE	367.22	376.22	357.77	38.9	39.6	38.1	9.44	9.50	9.39
Wholesale trade-durable goods	364.60	368.28	356.80	39.1	39.6	38.8	9.32	9.30	9.20
Wholesale trade-nondurable goods	371.72	383.72	360.02	38.6	39.6	38.3	9.63	9.69	9.40
RETAIL TRADE[g]	156.52	162.09	153.39	28.0	29.1	28.3	5.59	5.57	5.42
General merchandise stores	170.23	181.52	165.82	29.0	31.1	29.2	5.87	5.84	5.68
Department stores	175.47	186.91	169.48	29.1	31.1	28.2	6.03	6.01	6.01
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.03	253.44	243.08	....	....	....	.....	.....	.....
Credit agencies other than banks	247.44	247.74	236.81	....	....	....	.....	.....	.....
Insurance carriers	344.48	343.24	315.26	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	324.34	322.69	313.07	33.3	33.3	33.7	9.74	9.69	9.29

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Money payments only; tips not included. [h]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



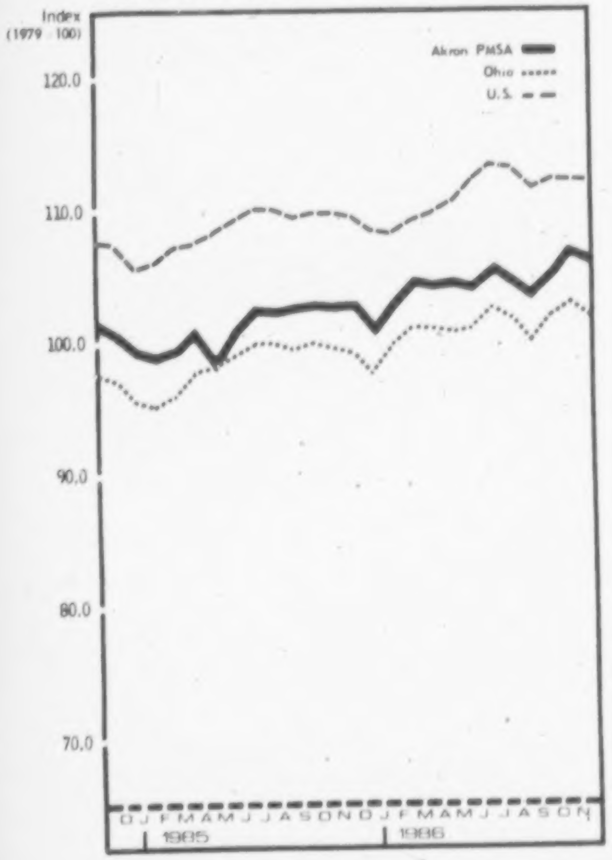
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



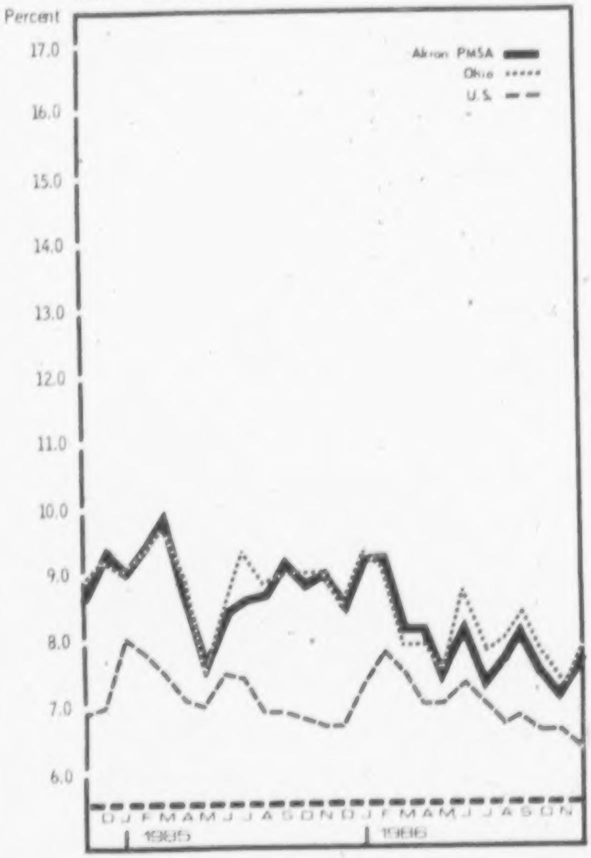
Nonagricultural wage and salary employment in the Akron metropolitan area was 259,300 in January, down 7,100 from December. The decrease was concentrated in nonmanufacturing, with seasonal declines in retail trade, state government education, and construction. Manufacturing employment, at 66,800, was down 200. Factory production workers earned an average of $11.42 per hour, down $.03 from December. The average workweek was .4 hours shorter, at 43.1 hours.

Since January 1986, nonfarm employment increased 5,100, due primarily to growth in retail trade, services, and construction. Manufacturing had a slight improvement, due to gains in durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



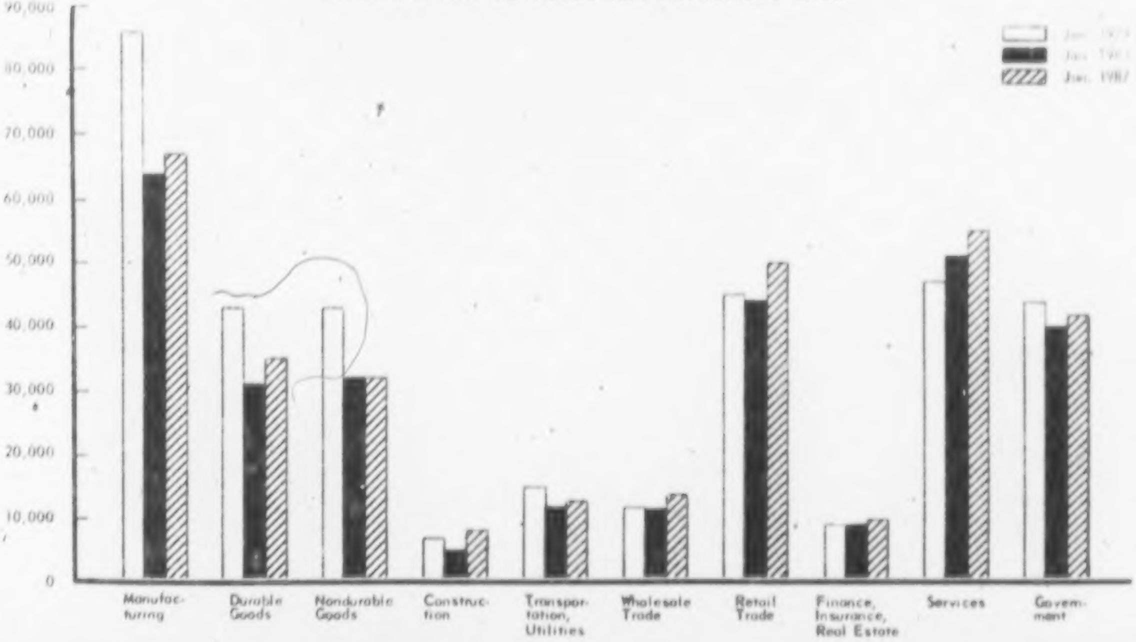
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980*	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.6	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
316.4	288.5	27.9	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1985						
319.9	293.0	26.9	8.4	December	260.6	67.4	36.9	494.36	44.1	11.21
				1986						
314.0	285.0	29.0	9.2	January	254.2	66.6	36.1	473.97	42.7	11.10
321.6	292.1	29.6	9.2	February	254.6	66.6	36.2	479.70	43.1	11.13
322.3	296.2	26.1	8.1	March	256.0	66.7	36.2	485.90	43.5	11.17
320.7	294.2	26.4	8.1	April	259.0	67.1	36.5	476.87	43.0	11.09
317.3	293.7	23.6	7.4	May	262.0	67.2	36.5	475.58	43.0	11.06
318.0	291.7	26.3	8.3	June	259.8	[illegible]	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.8	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	492.62	43.2	11.40
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
INA	INA	INA	INA	January	259.3	66.8	36.2	492.20	43.1	11.42

*[illegible]

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
TOTAL	259.3	266.4	254.2	- 7.1	5.1
MANUFACTURING	66.8	67.0	66.6	- .2	.2
Durable Goods[f]	34.8	34.9	34.7	- .1	.1
Fabricated metal products	13.0	13.0	12.7	.0	.3
Machinery except electrical	9.1	9.2	9.5	- .1	- .4
Metalworking machinery	3.0	3.0	3.1	.0	- .1
Nondurable Goods[f]	31.9	32.1	31.9	- .2	.0
Food and kindred products	2.8	2.7	2.7	.1	.1
Chemicals and allied products	2.9	2.9	2.8	.0	.1
Rubber and misc. plastics products	20.7	20.9	21.1	- .2	- .4
Tires and inner tubes	13.4	13.7	14.4	- .3	- 1.0
NONMANUFACTURING	192.5	199.4	187.6	- 6.9	4.9
CONSTRUCTION	7.9	8.9	7.1	- 1.0	.8
TRANSPORTATION AND PUBLIC UTILITIES	12.9	13.2	12.7	- .3	.2
Communication, electric, gas services	5.4	5.4	5.3	.0	.1
WHOLESALE TRADE	13.6	13.8	13.6	- .1	.0
RETAIL TRADE[e]	50.4	53.3	47.8	- 2.9	2.6
General merchandise stores	7.1	8.0	6.8	- .9	.3
FINANCE, INSURANCE, AND REAL ESTATE	10.2	10.3	9.7	- .1	.4
Banking	3.1	3.1	3.1	.0	.0
SERVICES	54.7	55.2	53.7	- .4	1.0
Business services	10.7	10.6	10.4	.1	.3
Amusement and recreation services	2.2	2.4	2.3	- .2	.0
Health services	17.7	17.7	17.6	.0	.1
GOVERNMENT	42.0	44.0	42.1	- 2.0	- .1
State government	14.1	15.9	14.3	- 1.8	- .2
State government education	11.2	13.0	11.4	- 1.8	- .2
State government, except education	2.9	2.9	2.9	.0	.0
Local government	25.6	25.8	25.5	- .2	.1
Local government education	14.3	14.5	14.0	- .1	.3
Local government, except education	11.3	11.3	11.5	.0	- .2

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

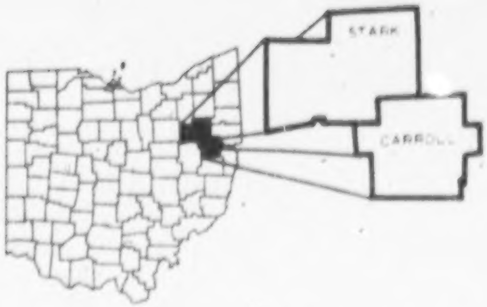
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987	December 1986	January 1986	Jan. 1987	Dec. 1986	Jan. 1986	Jan. 1987	Dec. 1986	Jan. 1986
MANUFACTURING	$492.20	$496.08	$473.97	43.[illegible]	43.8	42.7	$11.42	[illegible]	[illegible]
Durable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	429.71	446.02	415.24	42.8	44.7	43.0	9.98	[illegible]	9.58
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	44.1	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	451.24	[illegible]	42.7	42.4	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	462.05	[illegible]	[illegible]	[illegible]	41.8	11.44	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	485.57	490.29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tires and inner tubes	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	41.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

See Technical Notes for concepts. Preliminary. Revised. Based on unrounded figures. Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, petroleum and coal products, leather and leather products. Includes mining. Money payments only, tips not included. Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [illegible] to labor-management disputes.

Selected Administrative Program Activities

	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	187	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	679	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

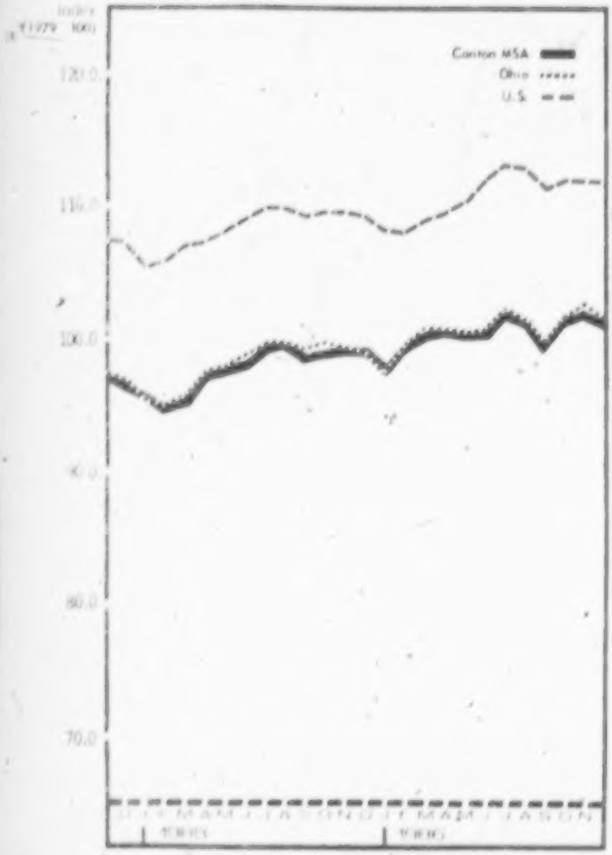
CANTON METROPOLITAN STATISTICAL AREA



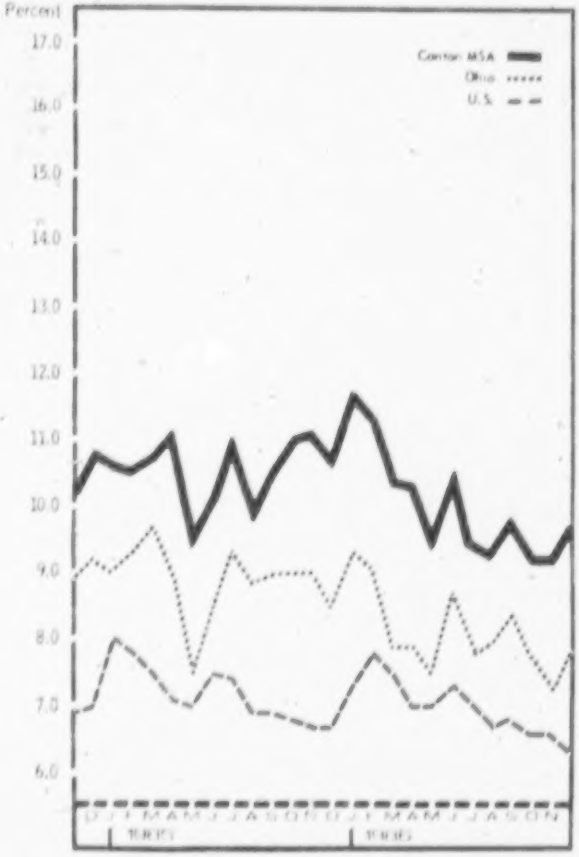
Nonagricultural wage and salary employment for the Canton metropolitan area totaled 151,200 in January, down 3,200 from December. Declines were concentrated in nonmanufacturing, with seasonal losses in retail trade and construction. Scattered minor declines in manufacturing resulted in a net loss for the month, to 42,700. Production workers had an average workweek of 42.6 hours in January, up .8 hours from December. Their average earnings were $11.51 per hour, up $.10.

Nonagricultural employment rose 2,300 between January 1986 and January 1987. Retail trade and services had the greatest increases in the nonmanufacturing sector. The number of manufacturing jobs declined 1,400 over the year as losses were recorded in several durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



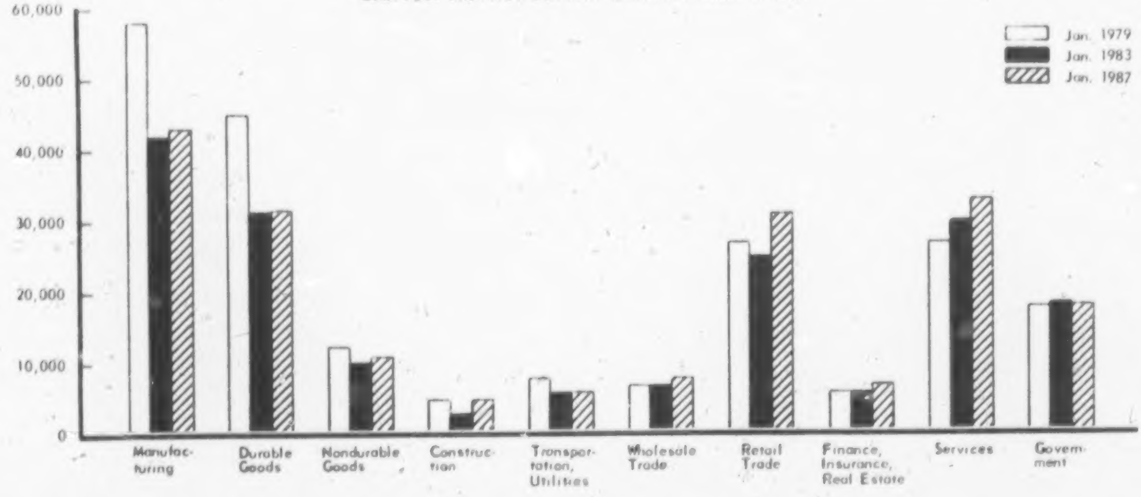
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.6	169.6	20.0	10.5	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1985						
192.1	171.8	20.3	10.6	December	153.1	45.1	32.5	448.63	40.2	11.16
				1986						
189.2	166.8	22.4	11.8	January	148.9	44.1	31.4	450.32	40.1	11.23
191.9	170.0	21.9	11.4	February	149.0	44.4	31.8	449.65	40.4	11.13
191.7	171.4	20.2	10.6	March	149.0	44.0	31.3	447.12	40.1	11.15
190.6	170.7	19.9	10.5	April	151.1	44.0	31.4	442.89	39.9	11.10
188.2	170.1	18.0	9.6	May	152.6	44.2	31.6	444.09	39.9	11.13
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
INA	INA	INA	INA	January	151.2	42.7	30.1	490.33	42.6	11.51

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
TOTAL	151.2	154.4	148.9	- 3.2	2.3
MANUFACTURING	42.7	42.8	44.1	.1	- 1.4
Durable Goods[e]	31.5	31.5	32.6	.0	- 1.1
Primary metal industries	10.0	9.9	10.0	.0	.0
Fabricated metal products	6.6	6.7	6.9	- .1	- .3
Metal forgings and stampings	2.3	2.3	2.5	.0	- .2
Nondurable Goods[e]	11.2	11.3	11.5	- .2	- .3
Food and kindred products	3.7	3.8	3.8	- .1	- .1
Rubber and misc. plastics products	2.7	2.7	2.9	.0	- .2
NONMANUFACTURING	108.5	111.6	104.8	- 3.1	3.7
CONSTRUCTION	4.9	5.8	4.2	- .9	.7
TRANSPORTATION AND PUBLIC UTILITIES	5.8	6.0	5.7	- .1	.1
Communication, electric, gas services	2.7	2.7	2.8	.0	- .1
WHOLESALE TRADE	8.0	8.1	7.9	- .1	.0
Wholesale trade-durable goods	4.6	4.6	4.4	.0	.2
RETAIL TRADE	30.6	32.0	29.0	- 1.4	1.6
General merchandise stores	4.1	4.5	3.7	- .4	.4
Food stores	5.1	5.2	4.9	- .1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.6	6.3	.0	.3
Banking	1.9	1.9	1.9	.0	.0
SERVICES	33.3	33.7	32.2	- .4	1.1
Health services	14.6	14.5	13.8	.1	.8
GOVERNMENT	18.3	18.4	18.2	- .2	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.1	15.3	15.1	- .2	.0
Local government education	9.2	9.4	8.9	- .2	.3
Local government, except education	5.9	5.9	6.2	.0	- .2

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

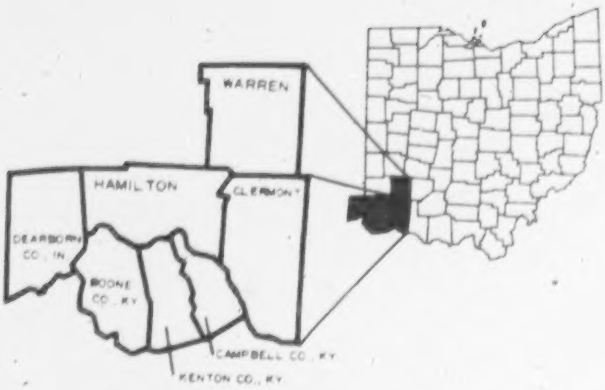
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$490.33	$476.94	$450.32	42.6	41.8	40.1	$11.51	$11.41	$11.23
Durable Goods[e]	515.81	501.17	471.06	43.2	42.4	40.4	11.94	11.82	11.66
Primary metal industries	593.77	547.39	477.41	46.1	43.0	37.8	12.88	12.73	12.63
Fabricated metal products[i]	507.87	502.10	537.07	41.8	42.3	43.7	12.15	11.87	12.29
Metal forgings and stampings	659.98	640.15	682.16	42.8	43.4	43.7	15.42	14.75	15.61
Nondurable Goods[f]	411.28	406.21	389.87	40.6	40.1	39.5	10.13	10.13	9.87
Food and kindred products	446.08	452.24	408.97	41.0	41.3	39.4	10.88	10.95	10.38
Rubber and misc. plastics products	425.12	420.09	468.16	42.3	41.8	44.0	10.05	10.05	10.64
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....[d]	....	....	.....	.....	.....
Communication, electric, gas services	540.05	544.66	509.12	41.1	41.2	40.6	13.14	13.22	12.54
WHOLESALE TRADE	366.79	353.35	341.37	37.2	35.8	36.2	9.86	9.87	9.43
RETAIL TRADE[h]	151.43	156.51	153.26	28.2	29.2	28.7	5.37	5.36	5.34

[a]See Technical Notes for concepts [b]Preliminary [c]Revised [d]Based on unrounded figures [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, machinery except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing [f]Includes tobacco manufactures, textile mill products, apparel and other textile mill products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products [g]Includes mining [h]Money payments only, tips not included [i]Depressed due to labor-management disputes

Selected Administrative Program Activities

	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	1,760	1,709	2,299
Active File of Job Seekers	18,303	17,939	20,415
Referrals to Jobs	968	955	903
Placements	143	178	344
Job Openings Received	361	501	474
Job Openings Unfilled	358	288	215
Unemployment Insurance Program			
Initial Claims	4,560	5,403	5,193
Continued Claims	34,139	28,750	39,075
First Payments	2,285	1,441	2,777
Last Payments	329	317	372
Weeks Compensated	25,615	19,993	31,671
Benefits Paid	$3,716,635	$2,869,280	$4,674,995
Average Weekly Payment	$150.56	$149.79	$151.80

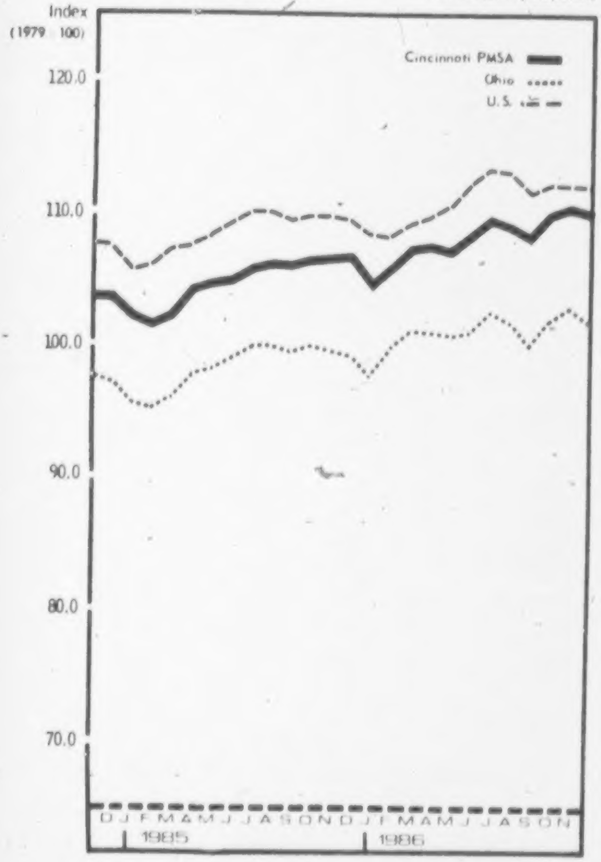
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



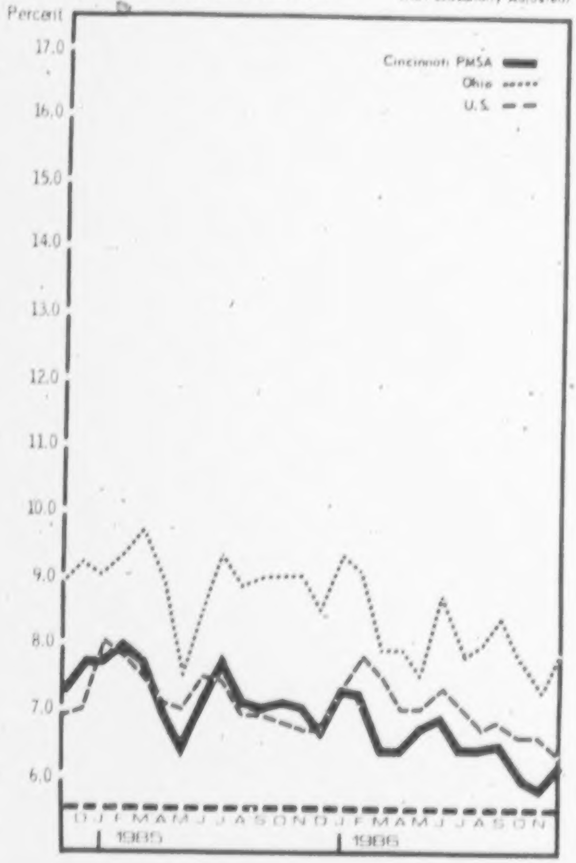
Nonagricultural wage and salary employment in the Cincinnati metropolitan area was 651,700 in January, down 17,400 from December. Nonmanufacturing employment decreased 13,500, due primarily to seasonal losses in retail trade, services, and construction. Manufacturing employment decreased 3,900, to 144,700, due to losses in durable goods, especially motor vehicles and equipment. Production workers in manufacturing worked an average of 42.1 hours per week, down .9 hours from December. Their average hourly earnings were $10.81, down $.17.

Nonagricultural employment rose 21,500 from January 1986. Although all nonmanufacturing industries recorded gains, significant growth was noted in services and retail trade. Manufacturing was down 3,800, with heaviest losses in motor vehicles and equipment and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



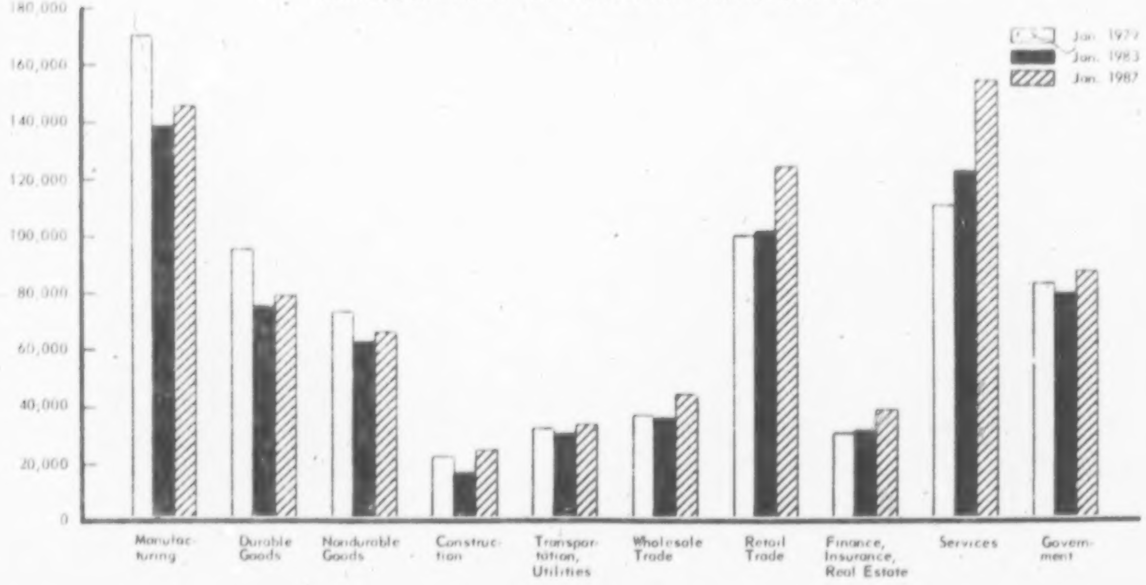
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
708.3	657.3	51.0	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.78
				1985						
716.7	669.1	47.6	6.6	December	643.9	149.0	97.1	459.85	42.5	10.82
				1986						
706.6	655.7	50.9	7.2	January	630.1	148.5	96.4	447.26	41.8	10.70
717.0	666.1	51.0	7.1	February	629.5	147.8	95.8	445.21	41.3	10.78
720.2	674.8	45.5	6.3	March	633.2	147.0	94.8	449.35	41.8	10.75
721.9	676.4	45.5	6.3	April	644.9	147.0	94.4	441.74	41.4	10.67
721.6	673.3	48.3	6.7	May	649.0	144.2	91.8	444.56	41.9	10.61
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
INA	INA	INA	INA	January	651.7	144.7	92.0	455.10	42.1	10.81

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
TOTAL	651.7	669.1	630.1	- 17.4	21.6
MANUFACTURING	144.7	148.6	148.5	- 3.9	- 3.8
Durable Goods[e]	78.8	82.6	83.5	- 3.8	- 4.7
Fabricated metal products	11.0	11.1	10.7	- .1	.2
Fabricated structural metal products	4.3	4.3	3.9	.0	.4
Machinery, except electrical	19.9	20.1	21.6	- .3	- 1.8
Metalworking machinery	8.2	8.3	9.5	- .1	- 1.3
General industrial machinery	2.7	2.7	3.1	.0	- .3
Electric and electronic equipment	7.2	7.4	7.9	- .2	- .7
Transportation equipment	26.4	29.2	28.8	- 2.9	- 2.4
Motor vehicles and equipment	5.9	8.7	9.8	- 2.8	- 3.9
Nondurable Goods[e]	65.9	66.0	65.0	- .1	.9
Food and kindred products	13.1	13.2	12.7	- .1	.4
Beverages	3.9	3.9	3.8	.0	.0
Apparel and other textile products	3.4	3.5	3.5	- .1	- .1
Paper and allied products	6.5	6.5	6.0	.1	.5
Printing and publishing	12.9	13.0	13.0	.0	- .1
Commercial printing	5.5	5.4	5.6	.1	- .1
Chemicals and allied products	22.2	22.3	21.8	- .1	.4
Rubber and misc. plastics products	5.6	5.5	5.5	.1	.0
NONMANUFACTURING	507.0	520.5	481.7	- 13.5	25.3
CONSTRUCTION	25.0	27.7	22.3	- 2.7	2.7
TRANSPORTATION AND PUBLIC UTILITIES	33.7	34.5	32.9	- .8	.7
Trucking and warehousing	8.9	9.7	8.9	- .7	.1
Communication, electric, gas services	15.2	15.3	14.7	.0	.5
WHOLESALE TRADE	43.8	43.8	41.8	.0	2.1
Wholesale trade-durable goods	26.2	26.1	25.0	.1	1.2
RETAIL TRADE	124.3	129.9	118.5	- 5.6	5.8
General merchandise stores	19.5	21.4	19.0	- 1.9	.5
FINANCE, INSURANCE, AND REAL ESTATE	38.7	39.0	36.5	- .3	2.2
Banking	8.2	8.2	7.9	.0	.2
Insurance carriers	12.7	12.7	11.9	.0	.8
SERVICES	154.7	157.5	145.2	- 2.9	9.5
Hotels and other lodging places	6.0	6.3	5.6	- .3	.4
Personal services	8.3	8.1	7.9	.2	.4
Business services	35.5	36.6	32.1	- 1.1	3.4
Amusement and recreation services	6.0	7.5	5.3	- 1.4	.8
Health services	50.1	49.9	47.7	.2	2.4
Hospitals	24.0	23.8	23.1	.2	.9
GOVERNMENT	86.5	87.7	84.2	- 1.2	2.3
Federal government	13.9	14.1	13.8	- .1	.1
State government	19.1	19.5	18.9	- .3	.2
State government education	11.2	11.5	11.3	- .3	- .1
State government, except education	7.9	7.9	7.6	.0	.3
Local government	53.5	54.2	51.5	- .7	2.0
Local government education	32.1	32.6	29.9	- .6	2.2
Local government, except education	21.4	21.5	21.6	- .1	- .2

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$455.10	$472.14	$447.26	42.1	43.0	41.8	$10.81	$10.98	$10.70
Durable Goods[e]	463.30	485.27	451.68	42.7	43.6	41.9	10.85	11.13	10.78
Fabricated metal products	415.34	405.32	398.05	43.4	42.8	41.9	9.57	9.47	9.50
Fabricated structural metal products	411.74	411.83	433.62	42.1	42.5	43.8	9.74	[illegible]	9.90
Machinery, except electrical	414.50	425.83	407.13	42.6	43.1	41.8	9.73	9.88	9.74
Metalworking machinery	454.94	478.95	429.62	43.0	43.9	40.8	10.58	10.91	10.53
General industrial machinery	414.15	408.22	365.16	44.2	43.8	40.8	9.37	9.32	8.95
Electric and electronic equipment	346.02	368.74	369.70	39.5	41.2	41.4	8.76	8.95	8.93
Transportation equipment	681.29	696.93	617.04	46.6	45.9	43.7	14.62	14.96	14.12
Motor vehicles and equipment	763.53	694.85	694.62	47.9	44.8	45.4	15.94	15.51	15.30
Nondurable Goods[f]	446.29	458.34	442.44	41.4	42.4	41.7	10.78	10.81	10.61
Food and kindred products	454.88	491.19	451.52	42.3	43.7	41.5	10.99	11.24	10.88
Beverages	539.40	544.36	509.72	43.5	43.9	42.3	12.40	12.40	12.05
Apparel and other textile products	220.98	206.07	213.40	38.1	37.4	38.8	5.80	5.51	5.50
Paper and allied products	413.66	417.93	395.62	41.7	41.5	41.6	9.92	9.95	9.51
Printing and publishing	439.48	455.20	438.13	39.1	40.0	39.4	11.24	11.38	11.12
Commercial printing	481.43	527.03	502.47	41.9	44.4	42.8	11.49	11.87	11.74
Chemicals and allied products	527.77	527.35	524.03	42.7	42.7	42.5	12.36	12.35	12.33
Rubber and misc. plastics products	369.74	438.24	432.29	40.9	48.0	47.4	9.04	9.13	9.12
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	523.77	532.13	506.97	39.8	40.1	39.3	13.16	13.27	12.90
WHOLESALE TRADE	375.17	383.26	381.11	38.7	40.6	40.5	9.45	9.44	9.41
RETAIL TRADE	159.05	164.96	157.47	28.2	29.3	29.0	5.64	5.63	5.43
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	261.35	255.54	24[illegible].18	....	....	....	.....	.....	.....

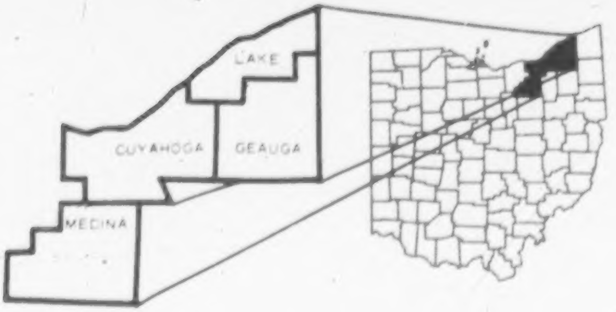
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. [j] Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [k] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	3,813	3,165	5,044
Active File of Job Seekers	25,144	24,488	30,339
Referrals to Jobs	2,114	1,240	1,808
Placements	421	354	452
Job Openings Received	1,182	501	800
Job Openings Unfilled	1,539	1,215	1,649
Unemployment Insurance Program			
Initial Claims	10,512	9,813	7,795
Continued Claims	64,267	50,809	51,390
First Payments	3,910	3,588	4,600
Last Payments	626	579	823
Weeks Compensated	45,992	32,432	50,814
Benefits Paid	$6,837,208	$4,709,850	$7,110,419
Average Weekly Payment	$151.77	$148.58	$142.83

[a] Ohio data only

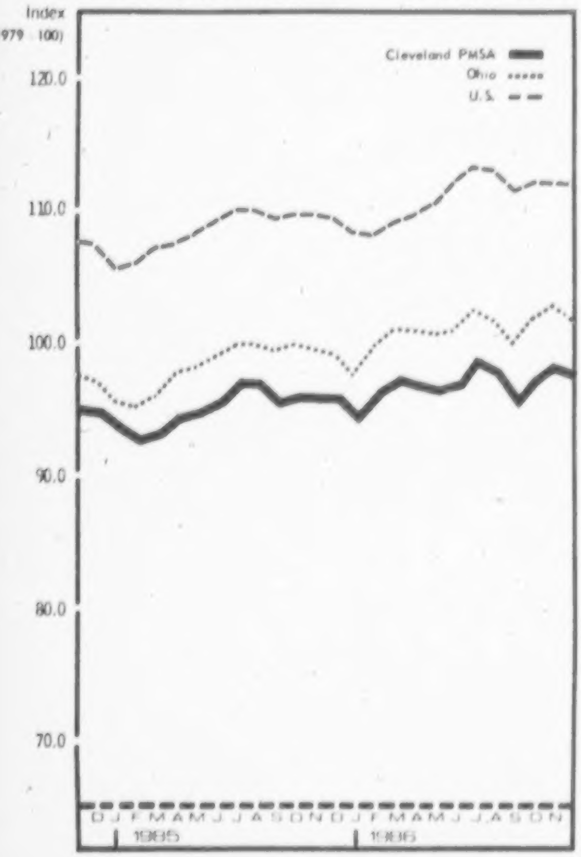
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



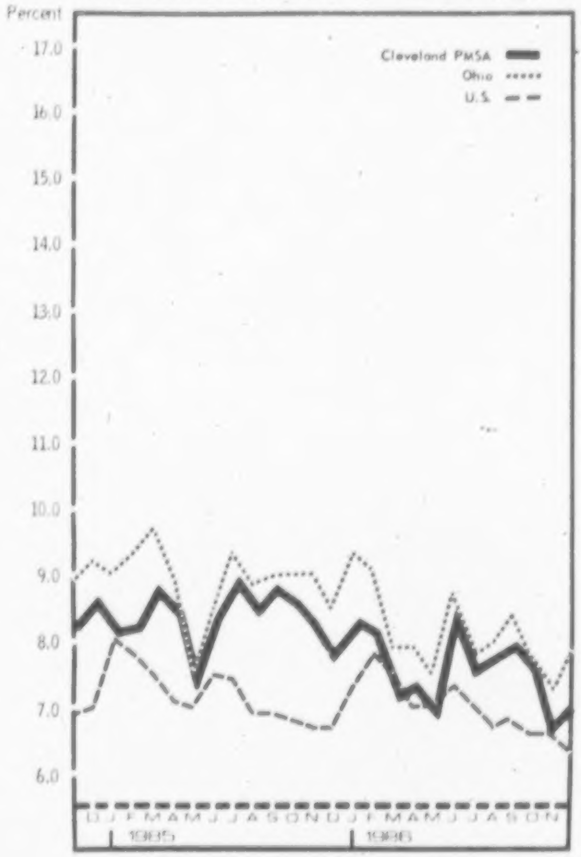
In the Cleveland metropolitan area, nonagricultural wage and salary employment declined 19,700 from December, to 876,800. Nonmanufacturing employment dropped 18,100. Seasonal factors lowered employment in retail trade, services, construction, and government. Manufacturing employment declined 1,600, to 203,800 due primarily to losses in instruments and related products, fabricated metal products, and food and kindred products. Factory production workers earned an average of $11.68 per hour, up $.03 from December. Their average workweek of 43.2 hours was .2 hours shorter.

Nonfarm employment rose 17,500 from January 1986 to January 1987. Nearly all nonmanufacturing industries recorded gains, with the most significant growth occurring in services, retail trade, and finance, insurance, and real estate. Manufacturing employment declined 3,000 over the period, due primarily to losses in instruments and related products and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



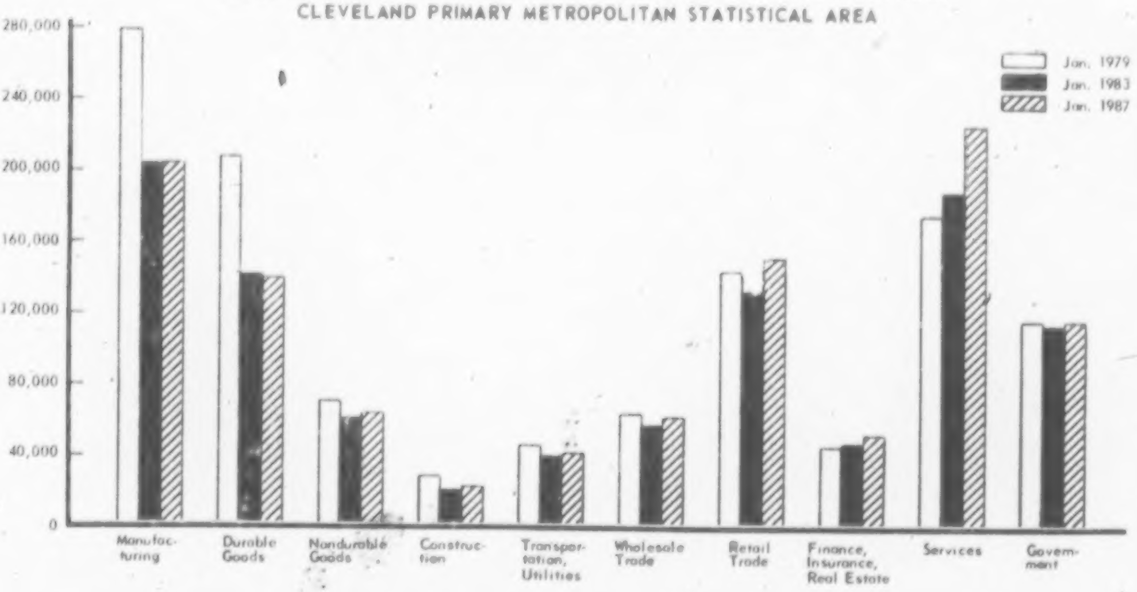
Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.5	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
922.1	845.5	76.6	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1985						
923.1	851.9	71.1	7.7	December	882.6	209.3	135.4	480.11	42.3	11.35
				1986						
915.0	839.3	75.7	8.3	January	859.3	206.8	133.7	474.01	41.8	11.34
930.3	855.3	75.0	8.1	February	857.0	205.5	132.5	477.24	41.9	11.39
932.5	866.1	66.5	7.1	March	860.7	205.6	132.7	487.60	42.4	11.50
929.7	862.1	67.6	7.3	April	874.0	206.3	133.3	479.76	41.9	11.45
919.8	857.4	62.4	6.8	May	880.6	206.1	133.2	472.69	41.5	11.39
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
INA	INA	INA	INA	January	876.8	203.8	130.5	504.58	43.2	11.68

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[r]	January 1986[r]	From Last Month	From Last Year
TOTAL	876.8	896.5	859.3	-19.7	17.5
MANUFACTURING	203.8	205.4	206.8	-1.6	-3.0
Durable Goods[c]	139.5	140.5	143.1	-1.0	-3.6
Primary metal industries	21.2	21.3	21.6	-.1	-.4
Iron and steel foundries	5.4	5.4	5.6	.0	-.2
Fabricated metal products	32.4	32.6	32.7	-.2	-.3
Fabricated structural metal products	3.8	3.9	3.8	-.1	.0
Screw machine products, bolts, etc	4.6	4.6	4.7	.0	.1
Metal forgings and stampings	11.2	11.3	11.2	.0	.0
Machinery, except electrical	30.4	30.6	31.4	-.1	-1.0
Construction and related machinery	2.6	2.5	2.5	.0	.1
Metalworking machinery	10.0	10.1	10.4	-.1	.4
Special industry machinery	3.5	3.5	3.5	.0	.1
General industrial machinery	2.8	2.9	2.9	.1	-.1
Electric and electronic equipment	19.3	19.1	20.0	.1	.7
Electrical industrial apparatus	6.6	6.5	7.0	.1	.4
Transportation equipment	19.6	19.5	19.9	.2	.3
Motor vehicles and equipment	12.6	12.5	12.8	.1	.0
Instruments and related products	6.5	7.2	7.9	-.6	-1.3
Measuring and controlling devices	4.7	4.3	4.3	-.1	.0
Nondurable Goods	64.8	64.9	63.7	-.5	.7
Food and kindred products	6.7	6.9	6.5	-.2	.2
Apparel and other textile products	4.3	4.4	4.7	-.1	-.4
Paper and allied products	5.5	5.5	5.4	.0	.1
Printing and publishing	16.6	16.6	16.0	.0	.5
Chemicals and allied products	14.5	14.6	14.2	-.1	.3
Rubber and misc. plastics products	11.8	11.9	11.8	-.1	.0
NONMANUFACTURING	673.0	691.1	652.8	-18.1	20.4
CONSTRUCTION	22.5	25.1	23.0	-2.6	-.5
TRANSPORTATION AND PUBLIC UTILITIES	41.4	42.5	40.3	-1.1	1.1
Trucking and warehousing	11.6	12.5	11.0	-.9	.6
Communication, electric, gas services	18.8	18.8	18.7	.0	.1
WHOLESALE TRADE	61.9	62.5	62.1	-.7	-.2
Wholesale trade-durable goods	42.8	43.4	43.6	-.6	-.7
RETAIL TRADE	151.0	159.5	147.4	-8.5	3.6
General merchandise stores	20.9	22.9	21.0	-2.0	-.1
FINANCE, INSURANCE, AND REAL ESTATE	53.1	53.4	49.8	-.3	3.3
Banking	13.2	13.2	12.8	.0	.4
Credit agencies other than banks	8.9	8.9	8.0	.1	.9
Insurance carriers	12.7	12.9	11.9	-.2	.8
SERVICES	226.1	229.7	214.2	-3.6	11.9
Business services	50.8	51.3	47.1	-.5	3.7
Amusement and recreation services	6.1	6.8	6.1	-.7	.0
Health services	73.1	73.2	69.0	.0	4.1
Hospitals	42.2	42.3	38.8	-.1	3.4
GOVERNMENT	116.0	117.8	114.6	-1.8	1.4
Federal government	20.1	20.2	20.1	-.1	.0
State government	8.1	8.5	7.9	-.4	.2
State government education	2.9	3.3	3.0	-.4	-.1
State government, except education	5.3	5.2	5.0	.1	.3
Local government	87.8	89.2	86.5	-1.4	1.3
Local government education	42.5	43.6	42.0	-1.1	.5
Local government, except education	45.3	45.6	44.5	-.3	.8

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers*[3]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[1]	December 1986[2]	January 1986[2]	Jan. 1987[1]	Dec. 1986[2]	Jan. 1986[2]	Jan. 1987[1]	Dec. 1986[2]	Jan. 1986[2]
MANUFACTURING	$504.56	$509.41	[illegible]	41.7	[illegible]	41.8	[illegible]	[illegible]	[illegible]
Durable Goods[4]	542.08	541.61	[illegible]	44.2	[illegible]	43.1	[illegible]	[illegible]	[illegible]
Primary metal industries	564.87	535.39	[illegible]	45.3	43.9	43.6	[illegible]	[illegible]	[illegible]
Iron and steel foundries	900.22	885.42	848.68	45.4	54.2	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	516.18	544.08	480.27	44.4	45.1	41.9	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	376.74	385.83	366.51	39.7	[illegible]	40.2	9.64	[illegible]	[illegible]
Screw machine products, bolts, etc.	465.39	463.21	410.99	44.2	43.7	44.8	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	553.44	532.08	612.99	47.8	44.7	41.7	[illegible]	[illegible]	[illegible]
Machinery, except electrical	496.48	482.42	455.14	42.9	43.1	41.9	[illegible]	[illegible]	[illegible]
Construction and related machinery	407.83	428.47	421.81	43.3	46.4	41.6	[illegible]	[illegible]	[illegible]
Metalworking machinery	425.33	433.83	403.20	41.1	42.1	40.0	[illegible]	[illegible]	[illegible]
Special industry machinery	480.76	492.41	495.37	45.9	41.0	41.7	[illegible]	[illegible]	[illegible]
General industrial machinery	459.28	490.55	436.27	44.2	44.4	41.2	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	435.72	421.14	415.36	41.2	40.1	39.8	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	456.77	426.47	449.86	41.6	38.1	41.0	[illegible]	[illegible]	[illegible]
Transportation equipment	695.39	722.48	686.84	41.5	41.5	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	722.57	758.58	[illegible]	45.7	41.8	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	398.58	440.22	423.16	42.2	43.5	42.7	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	416.06	414.02	396.79	42.4	43.1	[illegible]	9.80	[illegible]	[illegible]
Nondurable Goods[5]	411.66	418.37	396.42	[illegible]	[illegible]	41.7	[illegible]	[illegible]	[illegible]
Food and kindred products	397.46	388.11	381.63	42.5	42.7	41.8	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	299.51	276.11	38.8	38.9	38.4	[illegible]	[illegible]	[illegible]
Paper and allied products	478.73	496.14	452.61	41.8	44.6	41.8	[illegible]	[illegible]	[illegible]
Printing and publishing	408.50	427.12	[illegible]	[illegible]	38.5	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	500.22	521.84	474.05	42.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	373.58	380.98	[illegible]	42.5	42.8	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES[6]	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	577.55	580.60	535.46	41.7	41.8	40.7	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	392.83	398.45	380.22	39.8	40.1	39.4	[illegible]	[illegible]	[illegible]
RETAIL TRADE	175.40	180.16	172.36	29.9	28.6	29.3	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	299.95	296.35	284.90	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	337.46	336.40	331.02	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

*See Technical Notes for concepts. [1]Preliminary. [2]Revised. [3]Based on unrounded figures. [4]Includes lumber and wood products; stone, clay and glass products; miscellaneous manufacturing. [5]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [6]Includes mining. [7]Money payments only; tips not included. [8]Includes State universities. Excludes the agriculture extension service and the Ohio Department of Education. [9]Depressed due to labor management disputes.

Selected Administrative Program Activities[1]

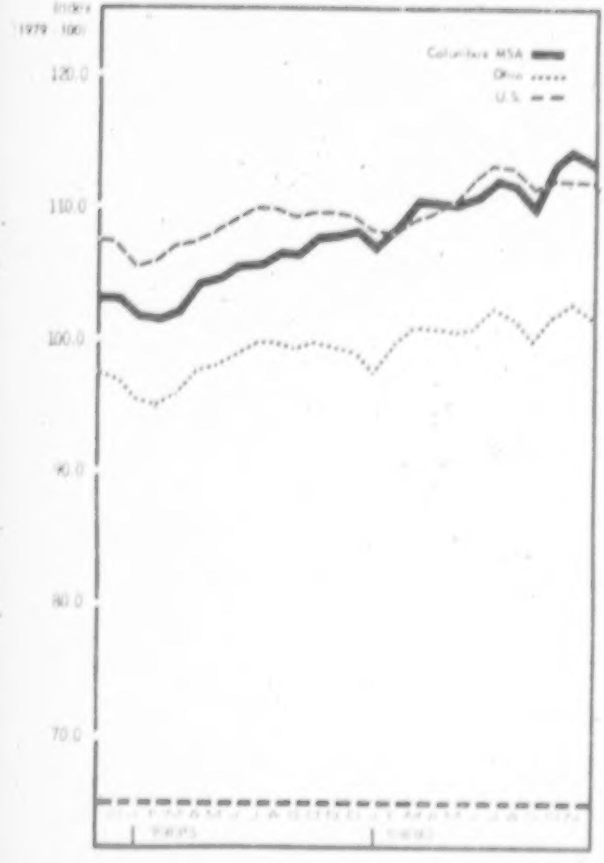
	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	8,856	7,775	[illegible]
Active File of Job Seekers	34,839	[illegible]	[illegible]
Referrals to Jobs	1,784	1,883	[illegible]
Placements	328	270	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	76,725	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

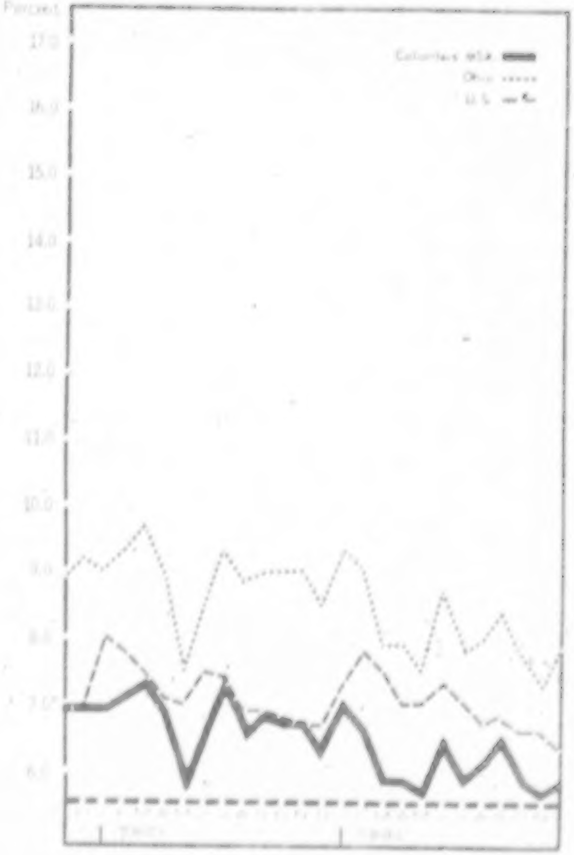
COLUMBUS
METROPOLITAN STATISTICAL AREA

UNION
DELAWARE
FRANKLIN
LICKING
MADISON
FAIRFIELD
PICKAWAY

Nonagricultural wage and salary employment in the Columbus metropolitan area declined 13,600 from December to 636,900. Nonmanufacturing employment decreased 13,000 due to seasonal losses in retail trade, construction, government, and services. Manufacturing dropped 600, to 105,300, with declines concentrated in stone, clay, and glass products and fabricated metal products. Manufacturing production workers earned an average of $11.47 per hour, up $.05. Their average workweek was 41.2 hours, down slightly from December.

Since January 1986, nonagricultural employment rose 27,500, due to growth in services, retail trade, finance, insurance, and real estate, and government. Manufacturing employment was down 700 during the period with losses in durable goods, especially fabricated metal products, overshadowing growth in nondurable goods.


INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

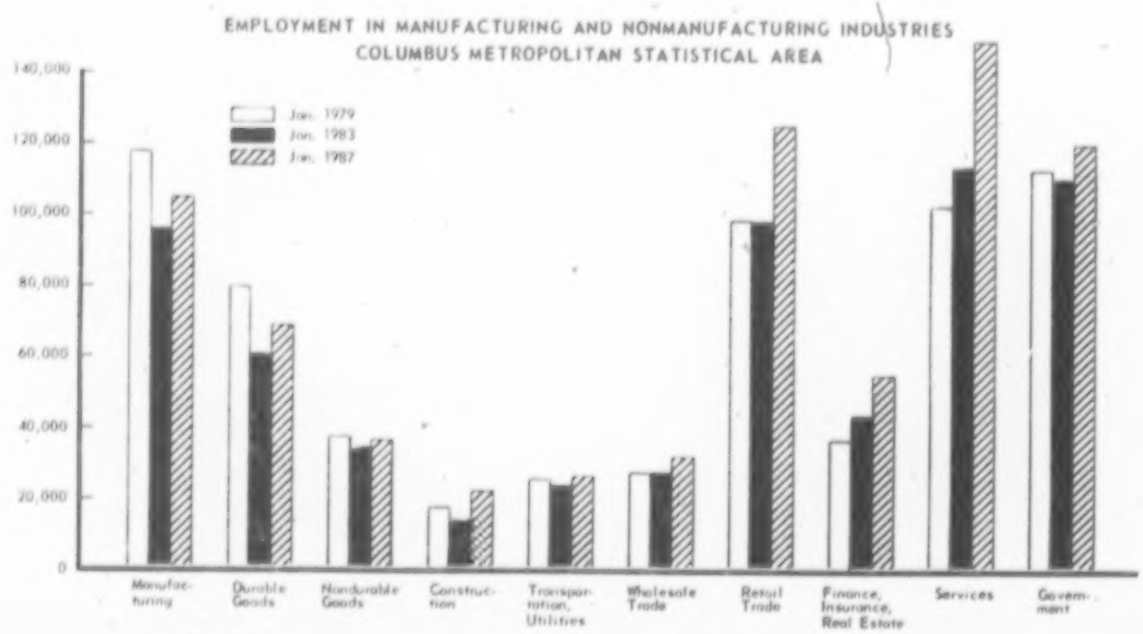

UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
635.5	586.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
650.4	606.7	43.7	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.7	70.7	461.14	41.1	11.22
				1985						
665.3	624.3	41.0	6.2	December	622.8	106.7	71.2	463.14	41.8	11.08
				1986						
656.8	610.6	46.2	7.0	January	609.4	106.0	70.7	451.95	40.9	11.05
668.5	624.0	44.5	6.7	February	610.0	105.9	70.8	453.46	41.0	11.06
672.5	633.2	39.2	5.8	March	613.9	106.2	70.9	460.50	41.3	11.15
671.3	632.2	39.1	5.8	April	624.3	106.6	71.3	462.44	41.4	11.17
667.4	629.7	37.7	5.6	May	630.2	106.3	70.9	461.44	41.2	11.20
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
INA	INA	INA	INA	January	636.0	105.3	70.0	472.56	41.2	11.47

INA Information not available



EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA

Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[a] (in thousands)	
	January 1987	December 1986	January 1986	From Last Month	From Last Year
TOTAL	636.9	650.5	625.4	-13.6	27.1
MANUFACTURING	105.3	105.9	106.0	-.6	-.7
Durable Goods	68.6	69.1	69.8	-.5	-1.2
Stone, clay, and glass products	11.3	11.7	11.4	-.4	-.1
Glass and glassware, pressed or blown	4.5	4.8	4.4	-.3	.1
Fabricated metal products	9.5	9.7	10.6	-.2	-1.1
Fabricated structural metal products	2.8	2.8	3.0	.0	-.2
Machinery, except electrical	9.4	9.3	9.9	.1	-.5
Electric and electronic equipment	11.3	11.2	11.6	.0	-.3
Transportation equipment	16.0	15.9	15.4	.1	.6
Instruments and related products	4.5	4.2	4.2	.1	.3
Nondurable Goods	36.7	36.8	36.1	-.1	.6
Food and kindred products	10.0	10.1	9.7	-.1	.3
Printing and publishing	9.7	9.8	9.6	-.1	.1
Chemicals and allied products	7.1	7.1	7.0	.0	.1
Rubber and misc. plastics products	5.5	5.5	5.4	.0	.1
NONMANUFACTURING	531.6	544.6	503.1	-13.0	28.5
CONSTRUCTION	22.8	25.1	20.2	-2.3	2.6
TRANSPORTATION AND PUBLIC UTILITIES	27.0	28.4	25.4	-1.4	1.6
Trucking and warehousing	10.8	11.6	10.0	-.8	.8
Communication, electric, gas services	12.1	12.2	11.4	-.1	.7
WHOLESALE TRADE	32.2	32.5	31.4	-.3	.8
Wholesale trade-durable goods	21.1	21.3	20.5	-.2	.6
RETAIL TRADE	125.2	132.7	120.4	-7.5	4.8
General merchandise stores	18.2	20.5	17.5	-2.3	.7
FINANCE, INSURANCE, AND REAL ESTATE	54.8	55.1	51.2	-.3	3.6
Banking	11.8	11.7	11.2	.1	.6
Insurance carriers	21.0	21.1	20.6	-.1	.4
SERVICES	145.2	145.9	133.1	-.7	12.1
Business services	33.7	33.8	29.3	-.1	4.4
Health services	38.9	38.9	37.0	.0	1.9
Hospitals	16.9	16.9	16.3	.0	.6
GOVERNMENT	119.6	120.5	116.7	-.9	2.9
Federal government	15.4	15.5	15.5	-.1	-.1
State government	52.7	53.6	51.3	-.9	1.4
State government education	23.1	23.9	22.7	-.8	.4
State government, except education	29.6	29.7	28.6	-.1	1.0
Local government	51.4	51.3	50.0	.1	1.4
Local government education	31.0	30.9	29.8	.1	1.2
Local government, except education	20.4	20.4	20.2	.0	.2

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

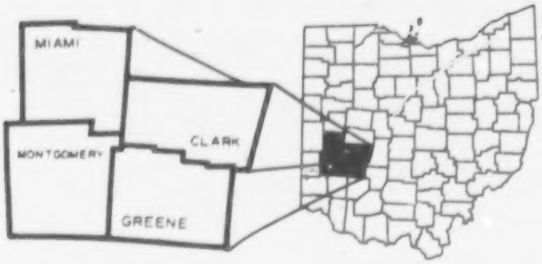
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$472.56	$472.79	$451.95	41.2	41.4	40.9	$11.47	$11.42	$11.05
Durable Goods[e]	483.21	481.97	467.81	41.3	41.3	41.0	11.70	11.67	11.41
Stone, clay, and glass products	450.41	443.90	461.76	38.3	38.3	39.5	11.76	11.59	11.69
Glass and glassware, pressed or blown	419.39	417.79	429.03	38.3	38.4	37.9	10.95	10.88	11.32
Fabricated metal products	497.67	488.44	498.96	41.3	40.4	40.5	12.05	12.09	12.32
Fabricated structural metal products	453.26	449.40	377.89	42.6	42.0	38.6	10.64	10.70	9.79
Machinery, except electrical	452.15	451.78	410.04	42.1	41.6	40.2	10.74	10.66	10.20
Electric and electronic equipment	450.15	466.49	470.30	40.3	41.1	41.4	11.17	11.35	11.36
Transportation equipment	584.33	581.64	538.59	44.1	44.4	43.4	13.25	13.10	12.41
Instruments and related products	429.17	429.94	371.33	42.2	42.4	39.8	10.17	10.14	9.33
Nondurable Goods	450.87	451.52	414.93	41.1	41.5	40.6	10.97	10.88	10.22
Food and kindred products	448.93	425.32	393.96	41.8	40.7	40.2	10.74	10.45	9.80
Printing and publishing	509.34	530.15	483.88	39.0	40.5	39.5	13.06	13.09	12.25
Chemicals and allied products	549.97	543.56	503.37	43.0	42.8	42.3	12.79	12.70	11.90
Rubber and misc. plastics products	340.61	340.72	329.60	40.5	41.5	41.2	8.41	8.21	8.00
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	574.03	572.24	522.57	41.9	41.8	39.8	13.70	13.69	13.13
WHOLESALE TRADE	342.62	344.31	309.60	37.9	38.6	38.7	9.04	8.92	8.00
RETAIL TRADE[h]	165.79	175.09	168.78	28.1	29.3	29.0	5.90	6.01	5.82
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	249.71	249.75	240.40	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	320.69	322.85	315.10	33.9	34.2	34.4	9.46	9.44	9.16

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments of tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1987	December 1986	January 1986
EMPLOYMENT SERVICE PROGRAM			
New Applicants	7,644	4,261	6,071
Active File of Job Seekers	37,587	35,368	42,332
Referrals to Jobs	2,409	1,599	2,300
Placements	421	465	302
Job Openings Received	1,556	1,162	1,308
Job Openings Unfilled	4,364	4,159	6,562
Unemployment Insurance Program			
Initial Claims	8,729	7,759	9,864
Continued Claims	56,798	49,655	67,875
First Payments	4,271	2,637	4,737
Last Payments	655	555	721
Weeks Compensated	46,682	35,962	52,946
Benefits Paid	$6,934,649	$5,368,442	$7,889,739
Average Weekly Payment	$152.05	$152.87	$148.66

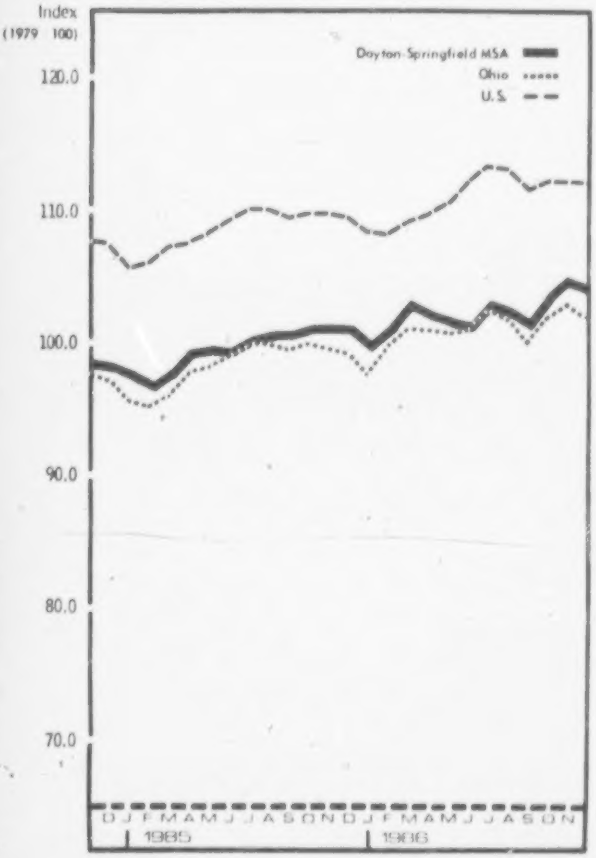
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



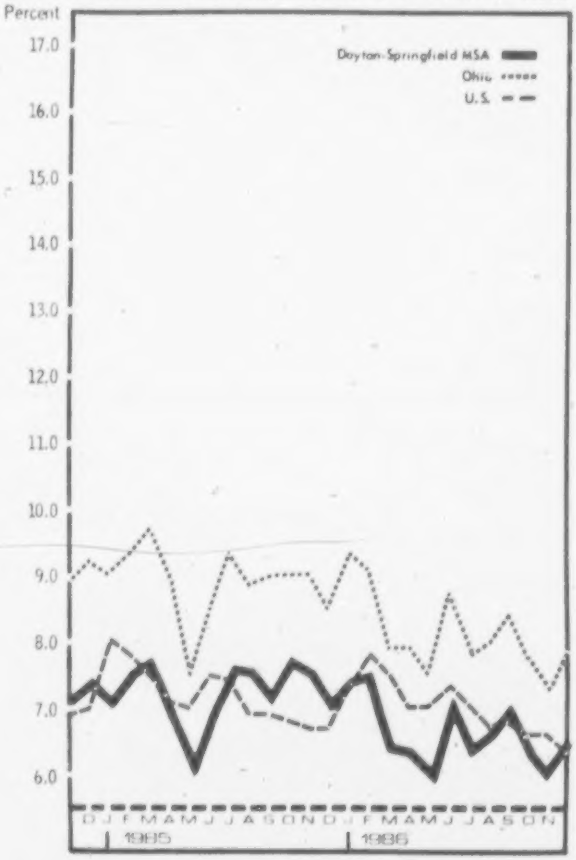
Nonagricultural payroll employment in the Dayton-Springfield MSA in January dropped 8,200 from December to 423,900. Employment in nonmanufacturing fell 7,500 with decreases in retail trade, construction, and services. Manufacturing employment dropped 700, to 105,800 in January, due to declines in durable goods. Production workers in manufacturing worked an average of 42.0 hours per week in January, down .8 hours. They earned $11.90 an hour, unchanged from December.

From January 1986, Dayton-Springfield's nonagricultural wage and salary employment rose 14,000. Nearly all of the increase occurred in nonmanufacturing, with significant improvements in services, retail trade, and construction. Gains in electric and electronic equipment and transportation equipment were partially offset by losses in nonelectrical machinery, raising manufacturing employment 500 over the year.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



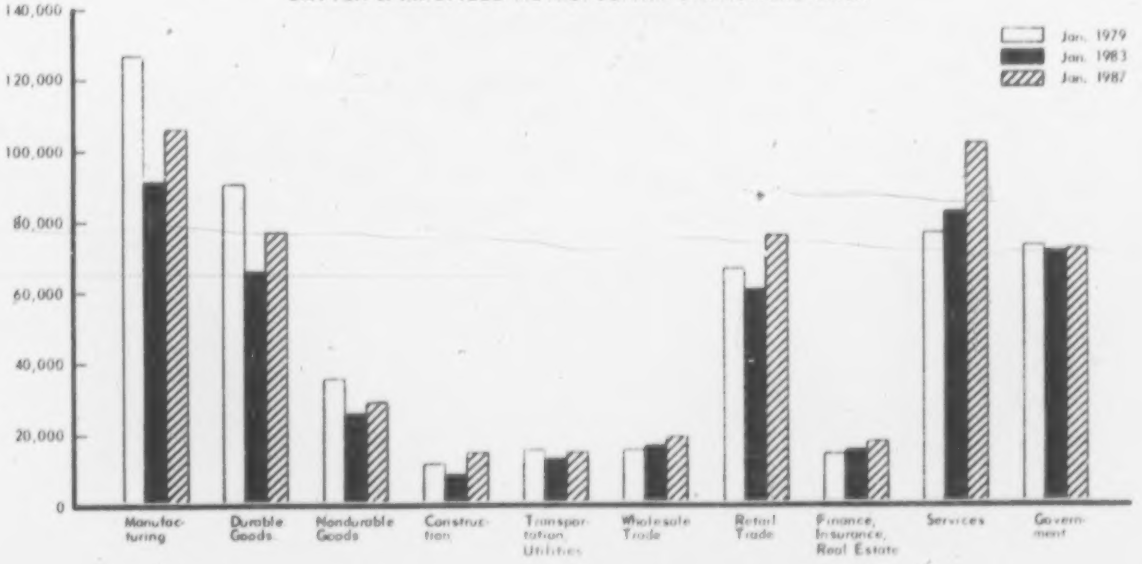
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

*Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
460.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
447.9	415.6	32.3	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1985						
453.7	421.7	31.9	7.0	December	420.0	106.9	69.5	549.92	44.6	12.33
				1986						
451.7	418.4	33.3	7.4	January	409.9	105.3	68.2	534.45	43.7	12.23
461.9	427.3	34.6	7.5	February	410.1	105.1	67.9	532.61	43.8	12.16
463.7	434.1	29.6	6.4	March	413.0	105.5	68.1	526.44	43.4	12.13
460.3	431.5	28.9	6.3	April	418.3	105.3	68.1	510.85	42.5	12.02
455.4	428.8	26.6	5.8	May	421.1	106.2	68.5	515.31	42.8	12.04
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
INA	INA	INA	INA	January	423.9	105.8	68.4	499.80	42.0	11.90

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
TOTAL	423.9	432.1	409.9	- 8.2	14.0
MANUFACTURING	105.8	106.5	105.3	- .7	.5
Durable Goods	76.5	77.0	75.8	- .5	.7
Fabricated metal products	8.3	8.3	8.3	.0	.1
Machinery, except electrical	31.0	31.2	32.1	- .2	- 1.0
Metalworking machinery	6.7	6.8	7.2	- .1	- .5
General industrial machinery	2.5	2.6	2.6	- .1	- .1
Electric and electronic equipment	6.1	6.1	5.2	.0	.9
Electrical industrial apparatus	3.5	3.5	2.9	.0	.6
Transportation equipment	21.9	22.0	21.4	- .1	.5
Nondurable Goods	29.2	29.5	29.4	- .3	- .2
Food and kindred products	2.8	2.9	2.7	- .1	.1
Paper and allied products	5.8	5.9	5.8	- .1	.0
Printing and publishing	8.7	8.6	8.5	.0	.2
Rubber and misc. plastics products	6.2	6.2	6.7	.0	- .5
NONMANUFACTURING	318.1	325.6	304.6	- 7.5	13.5
CONSTRUCTION	14.5	16.0	12.1	- 1.5	2.4
TRANSPORTATION AND PUBLIC UTILITIES	14.7	15.2	14.2	- .5	.5
Communication, electric, gas services	5.9	6.0	5.9	- .1	.0
WHOLESALE TRADE	19.0	19.2	18.9	- .3	.1
Wholesale trade-durable goods	13.0	13.2	12.9	- .1	.2
RETAIL TRADE	76.4	80.3	72.0	- 3.9	4.4
General merchandise stores	12.0	13.5	12.0	- 1.5	.0
FINANCE, INSURANCE, AND REAL ESTATE	17.6	17.7	16.8	.0	.8
Banking	4.3	4.3	4.2	.0	.1
Credit agencies other than banks	4.6	4.6	4.3	- .1	.3
Insurance carriers	2.8	2.8	2.9	.0	- .1
SERVICES	102.2	102.9	97.1	- .7	5.1
Business services	24.8	25.0	22.1	- .2	2.7
Health services	34.5	34.5	34.2	.0	.3
Hospitals	17.9	18.0	18.0	- .1	- .1
Educational services	6.9	7.0	7.5	- .1	- .6
GOVERNMENT	73.2	73.8	73.1	- .6	.1
Federal government	27.5	27.7	27.8	- .2	- .3
State government	6.9	7.0	6.5	- .1	.4
State government education	4.2	4.3	3.9	- .1	.3
State government, except education	2.7	2.7	2.6	.0	.1
Local government	38.8	39.1	38.8	- .3	.0
Local government education	24.5	24.7	24.5	- .1	.0
Local government, except education	14.3	14.4	14.3	- .2	.0

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

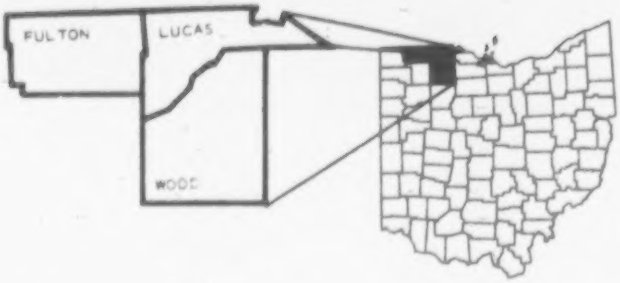
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$499.80	$509.32	$534.45	42.0	42.8	43.7	$11.90	$11.90	$12.23
Durable Goods[e]	506.15	517.45	554.34	41.9	42.8	44.1	12.08	12.09	12.57
Fabricated metal products	374.40	403.75	352.34	40.0	42.5	39.5	9.36	9.50	8.92
Machinery, except electrical	544.43	561.44	563.16	42.7	44.0	44.1	12.75	12.76	12.77
Metalworking machinery	508.46	574.28	528.26	43.2	47.5	45.5	11.77	12.09	11.61
General industrial machinery	391.56	443.92	401.00	39.0	41.8	40.1	10.04	10.62	10.00
Electric and electronic equipment	404.49	434.82	387.49	43.4	45.2	41.8	9.32	9.62	9.27
Electrical industrial apparatus	462.64	546.70	448.92	43.4	48.9	43.5	10.66	11.18	10.32
Transportation equipment	596.13	598.40	712.34	41.6	41.7	47.3	14.33	14.35	15.06
Nondurable Goods[f]	480.11	485.07	477.00	42.3	42.7	42.4	11.35	11.36	11.25
Food and kindred products	356.87	347.06	384.13	43.1	42.9	43.9	8.28	8.09	8.75
Paper and allied products	504.91	515.16	446.40	47.1	47.7	45.0	10.72	10.80	9.92
Printing and publishing	422.53	431.94	426.37	38.8	39.7	40.3	10.89	10.88	10.58
Rubber and misc. plastics products	579.33	582.39	609.03	41.0	41.1	42.5	14.13	14.17	14.33
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	531.73	539.74	514.17	40.1	40.4	39.4	13.26	13.36	13.05
WHOLESALE TRADE	403.17	403.81	375.96	39.8	40.3	40.6	10.13	10.02	9.26
RETAIL TRADE[h]	153.70	160.11	157.77	27.3	28.9	29.6	5.63	5.54	5.33
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	354.22	354.90	332.33	33.8	33.8	33.3	10.48	10.50	9.98

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	2,978	3,104	3,952
Active File of Job Seekers	25,114	24,634	32,268
Referrals to Jobs	1,179	1,127	1,813
Placements	200	573	354
Job Openings Received	1,000	804	842
Job Openings Unfilled	1,432	1,127	1,102
Unemployment Insurance Program			
Initial Claims	5,374	6,614	5,368
Continued Claims	37,529	34,280	43,411
First Payments	2,418	1,779	2,873
Last Payments	472	408	564
Weeks Compensated	30,687	22,950	36,884
Benefits Paid	$4,254,846	$3,182,173	$5,139,875
Average Weekly Payment	$141.72	$141.56	$142.06

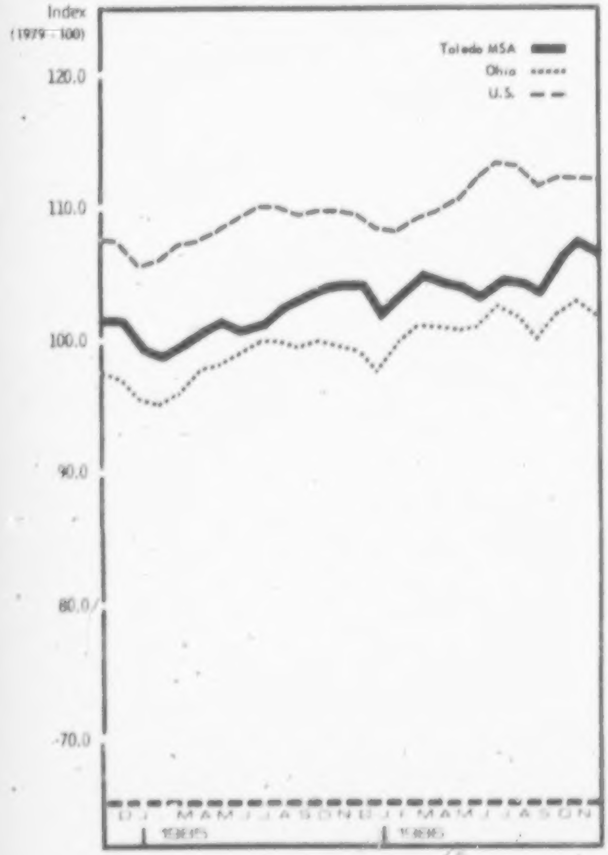
TOLEDO
METROPOLITAN STATISTICAL AREA



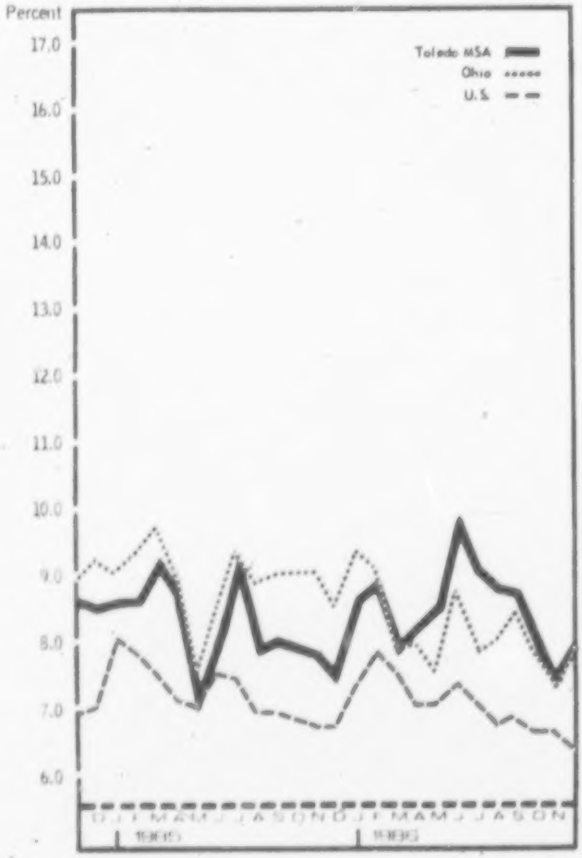
Nonagricultural wage and salary employment in the Toledo MSA in January 1987 was 275,900, a decrease of 7,500 from the previous month. In nonmanufacturing, almost all divisions showed losses. The largest decreases occurred in retail trade (-3,300) and government (-1,400). Manufacturing employment declined slightly to 62,900. Production workers in manufacturing worked an average of 43.6 hours per week in January, up .7 hours. They earned $12.73 an hour, up $.18 from last month.

Since January 1986, nonagricultural wage and salary employment increased 10,100. This improvement occurred in nonmanufacturing, with the largest gains in services, retail trade, and construction. Manufacturing employment declined by 2,300 over the year, due to losses in durable goods, especially transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



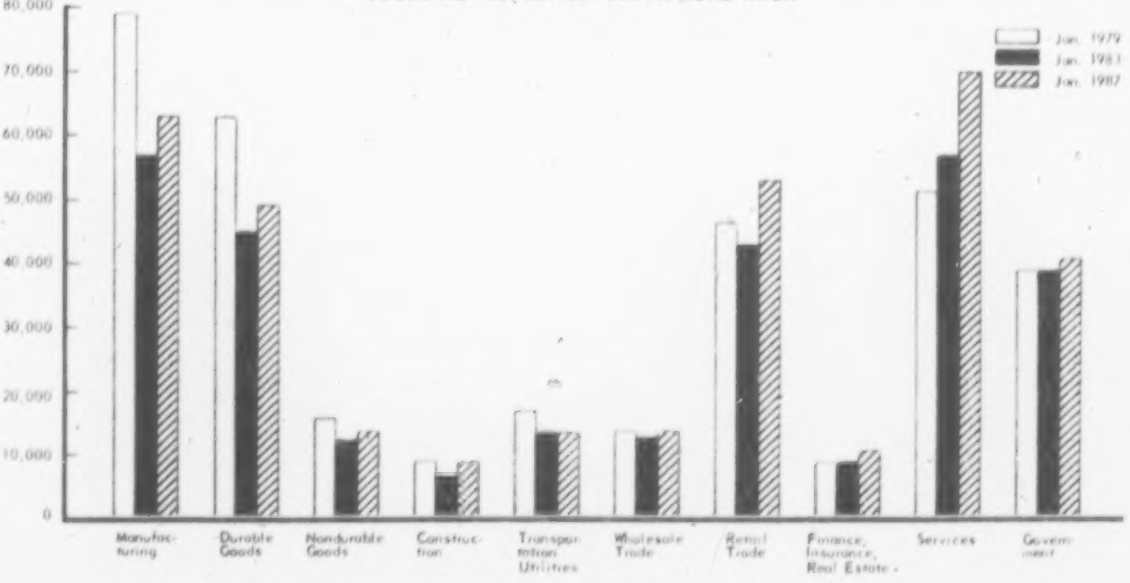
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
295.5	271.3	24.2	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1985						
300.4	278.2	22.2	7.4	December	274.3	66.3	47.0	537.84	43.2	12.45
				1986						
298.6	273.2	25.4	8.5	January	265.8	65.2	46.1	532.39	42.9	12.41
307.1	280.0	27.1	8.8	February	265.7	63.8	44.5	536.68	42.9	12.51
306.5	282.7	23.8	7.8	March	266.3	62.9	43.5	529.91	42.7	12.41
306.8	281.9	24.9	8.1	April	271.2	63.7	44.2	516.23	41.8	12.35
306.0	280.1	25.9	8.4	May	273.1	62.8	43.5	524.55	42.2	12.43
307.9	277.6	30.3	9.8	June	270.5	63.3	43.0	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
INA	INA	INA	INA	January	275.9	62.9	44.4	555.03	43.6	12.73

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January 1987[b]	December 1986[c]	January 1986[c]	From Last Month	From Last Year
TOTAL	275.9	283.4	265.8	- 7.5	10.1
MANUFACTURING	62.9	63.0	65.2	- .1	- 2.3
Durable Goods[e]	48.8	48.8	51.7	.0	- 2.9
Stone, clay, and glass products	8.1	8.1	8.5	.0	- .5
Primary metal industries	3.4	3.2	3.4	.1	.0
Fabricated metal products	7.4	7.5	7.7	- .1	- .3
Metal forgings and stampings	3.2	3.2	3.5	.0	- .3
Machinery, except electrical	6.1	6.1	6.0	.0	.1
Electric and electronic equipment	3.0	3.0	3.0	.0	.0
Transportation equipment	16.5	16.5	18.9	.0	- 2.4
Motor vehicles and equipment	15.6	15.5	17.8	.1	- 2.2
Nondurable Goods[f]	14.1	14.2	13.5	.0	.6
Food and kindred products	3.6	3.5	3.3	.1	.3
Rubber and misc. plastics products	3.2	3.2	2.9	.1	.3
NONMANUFACTURING[g]	213.0	220.4	200.5	- 7.4	12.4
CONSTRUCTION	9.0	10.1	7.8	- 1.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	14.1	14.5	13.5	- .4	.6
Trucking and warehousing	5.5	5.8	5.3	- .3	.2
Communication, electric, gas services	5.1	5.1	4.9	- .1	.2
WHOLESALE TRADE	14.2	14.4	14.2	- .2	.0
Wholesale trade-durable goods	9.4	9.5	9.6	- .1	- .2
RETAIL TRADE	52.8	56.1	50.5	- 3.3	2.3
General merchandise stores	7.2	8.2	7.4	- 1.0	- .2
FINANCE, INSURANCE, AND REAL ESTATE	11.2	11.4	10.5	- .2	.7
Banking	3.5	3.6	3.5	.0	.1
SERVICES	70.1	70.9	63.2	- .8	7.0
Business services	13.1	13.4	12.0	- .3	1.1
Health services	28.7	28.6	25.1	.1	3.6
Hospitals	15.0	15.0	14.3	.0	.7
GOVERNMENT	41.4	42.8	40.6	- 1.4	.7
State government	14.8	16.1	14.6	- 1.3	.2
State government education	10.9	12.2	10.8	- 1.3	.1
State government, except education	3.9	4.0	3.8	.0	.1
Local government	23.9	24.0	23.4	- .1	.5
Local government education	13.9	14.0	13.4	- .1	.5
Local government, except education	10.0	10.0	10.0	.0	.0

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

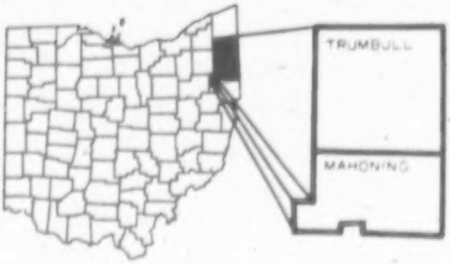
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$555.03	$538.40	$532.39	43.6	42.9	42.9	$12.73	$12.55	$12.41
Durable Goods[e]	584.77	553.83	558.14	44.2	42.8	43.3	13.23	12.94	12.89
Stone, clay, and glass products	533.82	539.65	603.40	42.4	43.0	45.3	12.59	12.55	13.32
Primary metal industries	521.21	512.45	501.75	45.6	44.6	44.6	11.43	11.49	11.25
Fabricated metal products	565.90	539.03	484.99	45.2	43.4	42.1	12.52	12.42	11.52
Metal forgings and stampings	695.49	679.68	558.36	47.8	47.2	42.3	14.55	14.40	13.20
Machinery, except electrical	490.45	473.82	455.87	42.5	41.6	41.9	11.54	11.39	10.88
Electric and electronic equipment	544.32	572.61	528.75	43.2	44.7	42.3	12.60	12.81	12.50
Transportation equipment	700.34	639.20	650.26	45.3	42.5	43.7	15.46	15.04	14.88
Motor vehicles and equipment	703.06	639.82	652.44	45.3	42.4	43.7	15.52	15.09	14.93
Nondurable Goods[f]	450.69	481.68	426.26	41.5	43.2	41.1	10.86	11.15	10.42
Food and kindred products	548.60	624.55	442.67	44.1	47.1	40.5	12.44	13.26	10.93
Rubber and misc. plastics products	328.46	336.61	321.17	40.5	40.9	39.7	8.11	8.23	8.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	597.66	634.67	580.03	42.0	43.5	42.4	14.23	14.59	13.68
WHOLESALE TRADE	340.40	352.26	346.25	37.0	38.0	37.8	9.20	9.27	9.16
RETAIL TRADE[h]	153.99	161.37	151.05	28.1	29.5	28.5	5.48	5.47	5.30

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. [j] Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [k] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	2,446	2,086	2,650
Active File of Job Seekers	23,403	23,005	25,801
Referrals to Jobs	701	853	879
Placements	113	424	328
Job Openings Received	258	551	457
Job Openings Unfilled	661	650	585
Unemployment Insurance Program			
Initial Claims	6,442	5,910	6,653
Continued Claims	33,460	27,765	34,937
First Payments	2,356	1,530	2,371
Last Payments	455	438	376
Weeks Compensated	78,490	19,667	27,987
Benefits Paid	$4,173,521	$2,848,080	$4,032,261
Average Weekly Payment	$150.08	$148.80	$147.48

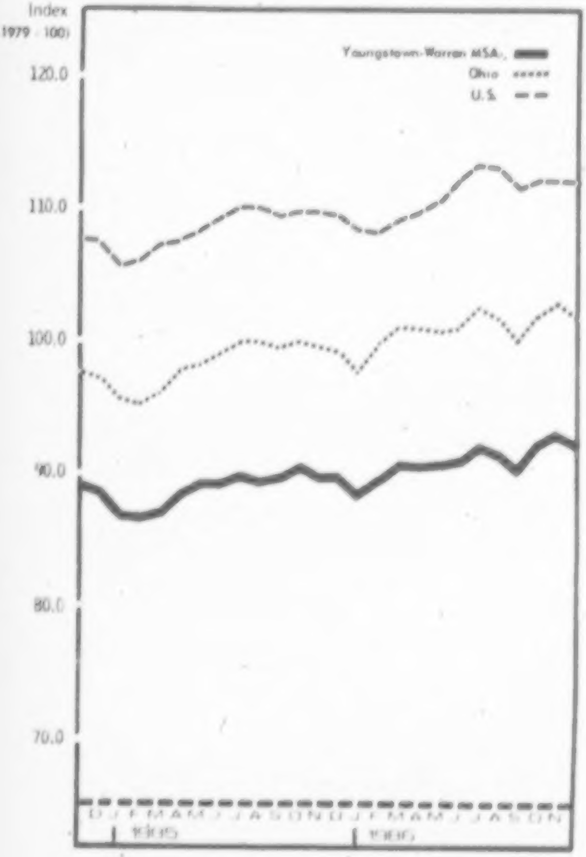
YOUNGSTOWN-WARREN
METROPOLITAN STATISTICAL AREA



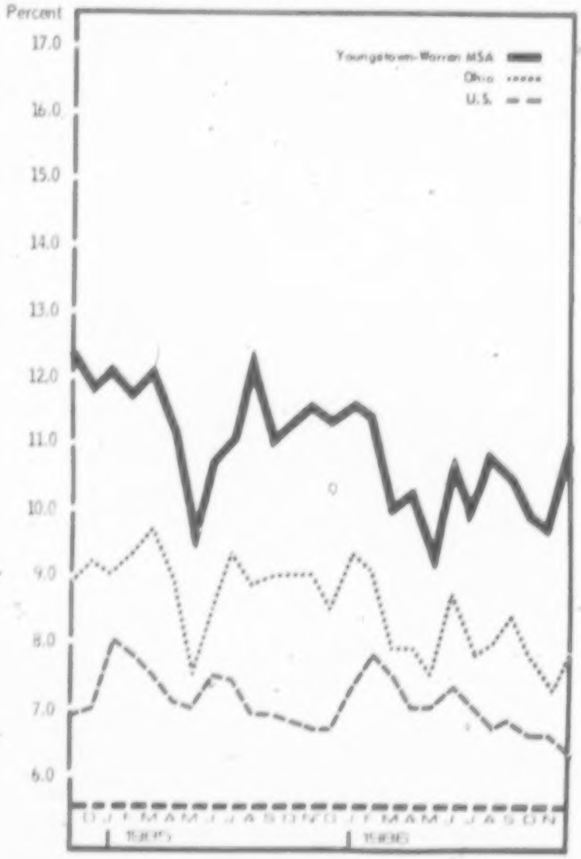
Nonagricultural wage and salary employment in the Youngstown-Warren MSA totaled 188,600 in January, a decrease of 3,900 from December. In nonmanufacturing, the number of employees dropped by 3,000, to 137,200. This drop was due largely to a seasonal decline of 1,500 workers in retail trade. Manufacturing employment declined 800, to 51,400, due primarily to a drop of 600 workers in primary metal industries. Production workers averaged a 42.8 hour workweek, down .1 hours from last month. Their average hourly earnings were down $.05 from December, to $13.46.

Nonagricultural wage and salary employment increased by 5,000 from January 1986. Increases in nonmanufacturing were responsible for this expansion, especially in services and retail trade. Losses in primary metal industries helped lower manufacturing employment 1,200 from January 1986.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



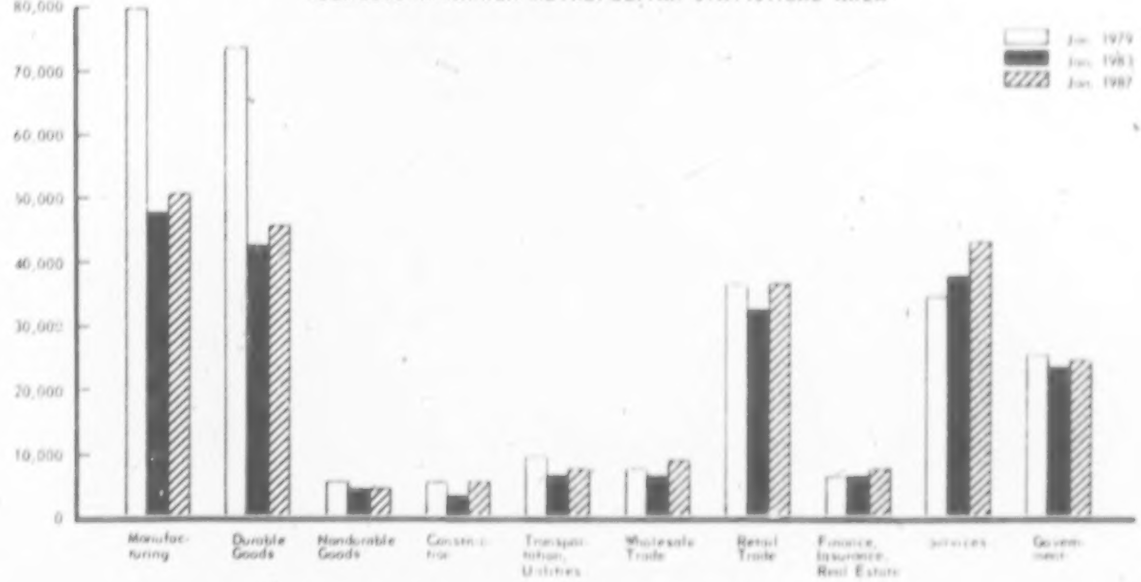
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Total Nonfarm Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	86.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.8	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.[illegible]	11.6[illegible]
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	38.6	521.20	42.1	12.30
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
220.1	195.2	24.9	11.3	1985	184.2	54.7	39.6	570.06	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1985						
223.0	197.8	25.2	11.3	December	187.9	53.1	39.8	614.44	44.3	13.87
				1986						
221.2	195.2	26.0	11.7	January	183.6	52.6	39.3	574.01	42.3	13.57
224.0	198.2	25.8	11.5	February	182.6	51.8	38.6	570.12	42.7	13.51
223.2	200.6	22.6	10.1	March	183.4	51.7	38.5	549.61	41.2	13.34
224.0	200.6	23.4	10.4	April	186.7	51.7	39.5	542.03	41.1	13.23
221.9	201.3	20.6	9.3	May	189.8	52.2	39.0	533.79	40.5	13.18
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.6	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.6	557.03	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.13	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.0	13.51
				1987						
INA	INA	INA	INA	January	188.6	52.4	38.5	578.03	42.8	13.66

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown - Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	January [illegible]	December [illegible]	January [illegible]	From Last Month	From Last Year
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Durable Goods[c]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Blast furnace and basic steel products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NONMANUFACTURING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONSTRUCTION	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Wholesale trade-durable goods	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General merchandise stores	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Banking	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Health services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hospitals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GOVERNMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
State government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Local government, except education	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1987[b]	December 1986[c]	January 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]	Jan. 1987[b]	Dec. 1986[c]	Jan. 1986[c]
MANUFACTURING	$578.10	$579.56	$574.01	42.6	42.9	42.7	$13.48	[illegible]	$13.57
Durable Goods[e]	595.72	527.61	593.42	43.2	43.1	42.9	13.79	13.97	13.87
Primary metal industries	611.93	639.08	576.72	42.3	43.5	40.7	14.23	14.70	14.17
Blast furnace and basic steel products	636.42	704.15	509.52	44.2	45.4	37.3	14.22	15.51	15.68
Fabricated metal products	587.24	583.71	582.68	42.4	42.7	41.1	13.85	13.67	13.68
Machinery, except electrical	487.17	469.45	472.93	42.1	40.4	40.7	11.57	11.62	11.62
Electric and electronic equipment	414.20	412.54	397.58	38.6	38.7	38.6	10.73	10.66	10.30
Transportation equipment	718.21	721.62	704.69	47.4	47.8	46.6	15.13	15.10	15.12
Nondurable Goods[f]	387.11	386.15	357.65	39.9	40.1	39.2	9.70	[illegible]	9.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.45	544.41	529.27	45.5	45.6	46.1	11.97	11.94	11.70
WHOLESALE TRADE	345.41	332.64	329.38	36.1	37.2	38.3	9.46	[illegible]	8.60
RETAIL TRADE[f]	168.59	179.41	160.65	29.2	30.4	29.6	5.78	5.77	5.43

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. Depressed due to labor-management disputes.

Selected Administrative Program Activities

	January 1987	December 1986	January 1986
Employment Service Program			
New Applicants	[illegible]	[illegible]	[illegible]
Active File of Job Seekers	[illegible]	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	[illegible]	[illegible]	[illegible]
Job Openings Received	[illegible]	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	[illegible]	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	[illegible]	[illegible]	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	[illegible]	[illegible]	[illegible]
Average Weekly Payment	[illegible]	[illegible]	[illegible]

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\begin{matrix}\text{Total Employment} \\ \text{(current month)}\end{matrix} = \begin{matrix}\text{Total Employment} \\ \text{(previous month)}\end{matrix} \times \frac{\begin{matrix}\text{Sample Employment} \\ \text{(current month)}\end{matrix}}{\begin{matrix}\text{Sample Employment} \\ \text{(previous month)}\end{matrix}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	January 1987	December 1986	January 1986
New Applicants	48,475	41,715	52,030
Active File of Job Seekers	375,393	365,344	437,897
Counseling Interviews	1,532	1,696	2,158
Tests Administered	3,277	2,985	2,067
General Aptitude Tests	299	297	352
Proficiency Tests	575	387	564
Specific Aptitude Tests	408	354	798
Referrals to Jobs	19,338	15,830	21,256
Placements	3,772	4,861	5,186
Job Openings Received	9,021	7,434	9,136
Job Openings Unfilled	16,995	16,358	18,342

Selected Unemployment Insurance Activities

	January 1987	December 1986	January 1986
Initial Claims	105,164	109,051	102,502
Continued Claims	665,038	566,783	749,257
First Payments	50,812	32,342	53,195
Last Payments	8,259	7,206	9,064
Average Weekly Claimants	149,896	116,865	160,900
Average Weekly Benefit Recipients	116,003	90,801	125,191
Weeks Compensated	545,308	397,908	608,403
Benefits Paid	$79,962,329	$58,128,167	$88,273,404
Average Weekly Payment	$151.19	$150.68	$149.05
Continued Claims for Survey Week	148,681	116,843	156,224
Insured Unemployment Rate	3.6	2.8	3.9
Net Contributions	$24,010,825	$4,932,037	$30,527,899
Active Employer Accounts	194,291	193,872	190,965

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 461-5783.

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Ohio
Labor
Market
Information

Labor Market Review

February 1987

Summary. According to the latest household survey, the seasonally adjusted unemployment rate in Ohio rose .3 percent from January, to 8.6 percent in February. The national rate remained unchanged at 6.7 percent. Total Ohio employment declined 2,000, to 4,848,000. There were 455,000 jobless Ohioans in February, up 18,000 from January. Ohio's nonagricultural wage and salary employment (seasonally adjusted) increased 11,000 over the month, to 4,567,000 in February, according to the most recent employer survey. Improvements continue to be predominantly in the nonmanufacturing sector. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio totaled 1,109,000 in February, up 3,000 from January. The gain occurred among durable-goods industries, partly the result of settlement of labor-management disputes in primary metals. Nondurable-goods employment was unchanged.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 9,000 from January, to 3,458,000 in February. Retail trade and services were up 3,000 each, while transportation and public utilities and finance, insurance, and real estate had slight gains. Other industry divisions registered no changes in employment.

Over the Year. The civilian labor force in Ohio declined 22,000 from February 1986 to 5,303,000 in February 1987. Total employment fell 21,000, while total unemployment was down 1,000. The unemployment rate was unchanged at 8.6 percent. The U.S. rate dropped from 7.2 percent to 6.7 percent over the year. Nonagricultural wage and salary employment was up 127,000 from February 1986. Expansion in services and retail trade accounted for nearly three-fourths of the overall gain. Construction, finance, insurance, and real estate, and government all had noteworthy increases. Industry divisions showing declines from last February were manufacturing (-13,000) and mining (-3,000).

Factory Hours and Earnings. Factory production workers in Ohio earned an average of $499.90 per week in February, down $2.68 from January. Their average workweek, at 42.4 hours, was down .3 hours. Many industries had lower earnings in February. The most significant were motor vehicles and equipment, miscellaneous plastics products, metal forgings and stampings, and electric lighting and wiring equipment. Higher earnings were reported in aircraft and parts, blast furnace and basic steel products, newspapers, commercial printing, and nonferrous rolling and drawing mills.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 60,049 in February, down 42.9 percent from January, and down 5.9 percent from February 1986. The average weekly benefit check increased $.34, to $151.53. Total benefits paid, at $76.2 million, were down 4.7 percent from last month. The average weekly number of benefit recipients rose 10.8 percent, to 128,508. At the end of the month, there were 194,258 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 42,617 new job applicants in February, down 12.1 percent from January. Total job openings received from employers dropped 6.3 percent, to 8,456. The Employment Services Division made 20,128 referrals to jobs with 4,529 placements.

Hire Persons with Disabilities

People at Work is what the American dream is all about and people with disabilities are a part of this dream. But some are excluded. Many people ignore the ABILITY and just see the DISABILITY.

It's difficult to reach your dream without a job. Various studies show that approximately two-thirds of all disabled workers between 16 and 64 years old are not working — do what you can to promote employment and to employ qualified workers with disabilities.

Call your local Job Service Office for referral of qualified disabled job applicants.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1987	Jan. 1987	Feb. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,303	5,287	5,325	16	-22	0.3	-0.4
Employment	4,848	4,850	4,869	-2	-21	0.0	-0.4
Unemployment	455	437	456	18	-1	4.1	-0.2
Unemployment Rate	8.6	8.3	8.6				
Employer Survey Data[e]							
Total	4,567	4,556	4,440	11	127	0.3	2.9
Manufacturing	1,109	1,106	1,122	3	-13	0.3	-1.2
Durable Goods	751	748	764	3	-13	0.4	-1.8
Nondurable Goods	358	358	357	0	1	-0.1	0.2
Nonmanufacturing	3,458	3,450	3,319	9	140	0.3	4.2
Mining	22	22	25	0	-3	-0.2	-13.0
Construction	171	171	158	0	13	0.2	8.3
Transportation and Public Utilities	211	210	202	1	9	0.5	4.4
Wholesale Trade	249	249	245	0	4	-0.1	1.7
Retail Trade	843	840	809	3	33	0.4	4.1
Finance, Insurance, and Real Estate	240	239	227	1	13	0.4	5.9
Services	1,035	1,032	977	3	58	0.3	5.9
Government	687	687	676	0	12	0.0	1.7
Goods Producing Industries[f]	1,302	1,298	1,304	3	-3	0.2	-0.2
Service Producing Industries[g]	3,266	3,257	3,136	8	129	0.3	4.1

[a] Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

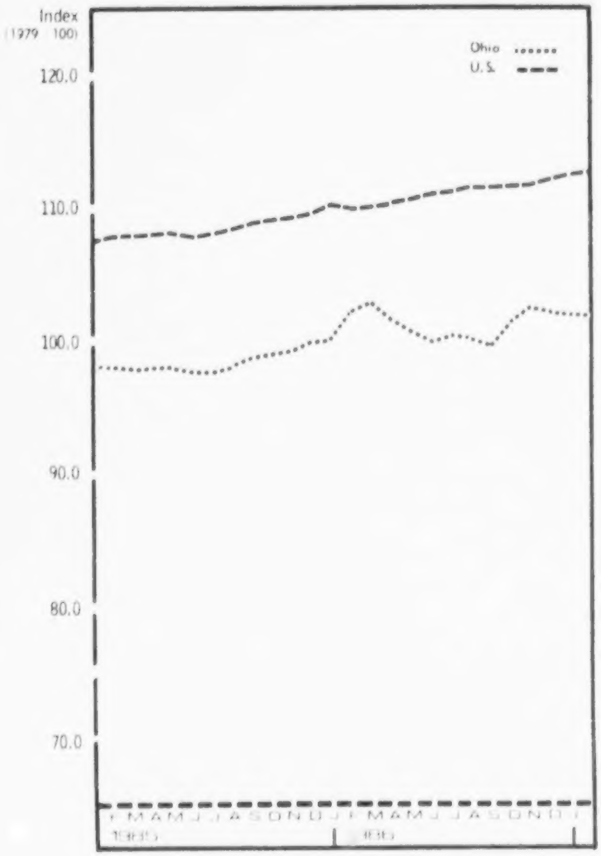
Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	US			Manufacturing		
								Durable	Nondurable
					1985				
5,109	4,661	448	8.8	7.3	February	4,326	1,133	778	355
5,132	4,657	475	9.3	7.2	March	4,345	1,130	775	355
5,133	4,670	463	9.0	7.3	April	4,359	1,127	772	355
5,084	4,664	420	8.3	7.2	May	4,379	1,128	[illegible]	356
5,078	4,645	433	8.5	7.3	June	4,368	1,124	770	355
5,150	4,647	503	9.8	7.3	July	4,374	1,122	767	355
5,132	4,675	457	8.9	7.1	August	4,380	1,119	763	355
5,167	4,701	466	9.0	7.1	September	4,385	1,114	759	[illegible]
5,172	4,707	465	9.0	7.1	October	4,398	1,117	762	[illegible]
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	[illegible]
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	[illegible]
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	[illegible]
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,567	1,109	751	358

Ohio Nonmanufacturing Wage & Salary Employment

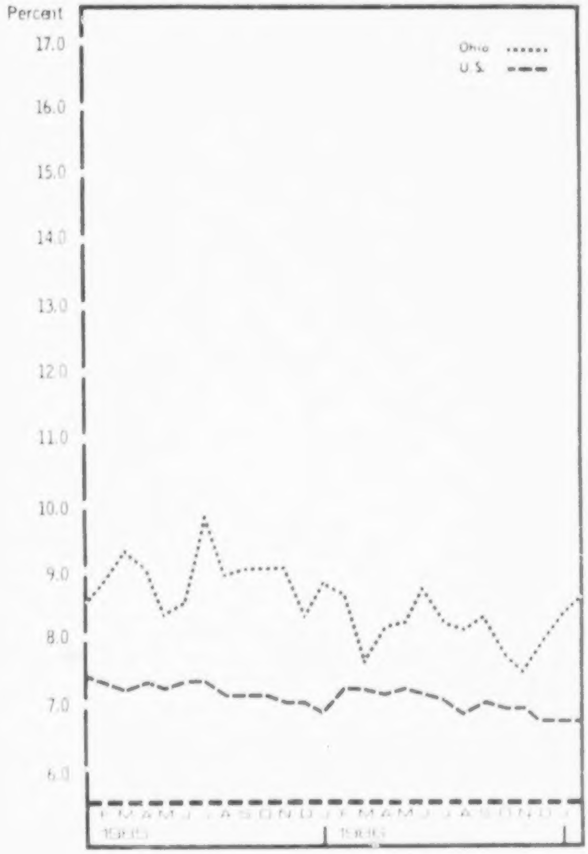
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1985				
3,193	27	148	203	243	February	769	216	930	658
3,215	27	152	203	244	March	776	216	935	662
3,232	27	154	203	244	April	782	217	942	664
3,250	27	155	203	245	May	788	218	949	664
3,244	26	154	203	244	June	789	218	948	667
3,252	26	154	202	243	July	790	219	952	[illegible]
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	675
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	673
3,319	25	158	202	245	February	809	227	977	675
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,458	22	171	211	249	February	843	240	1035	687

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.



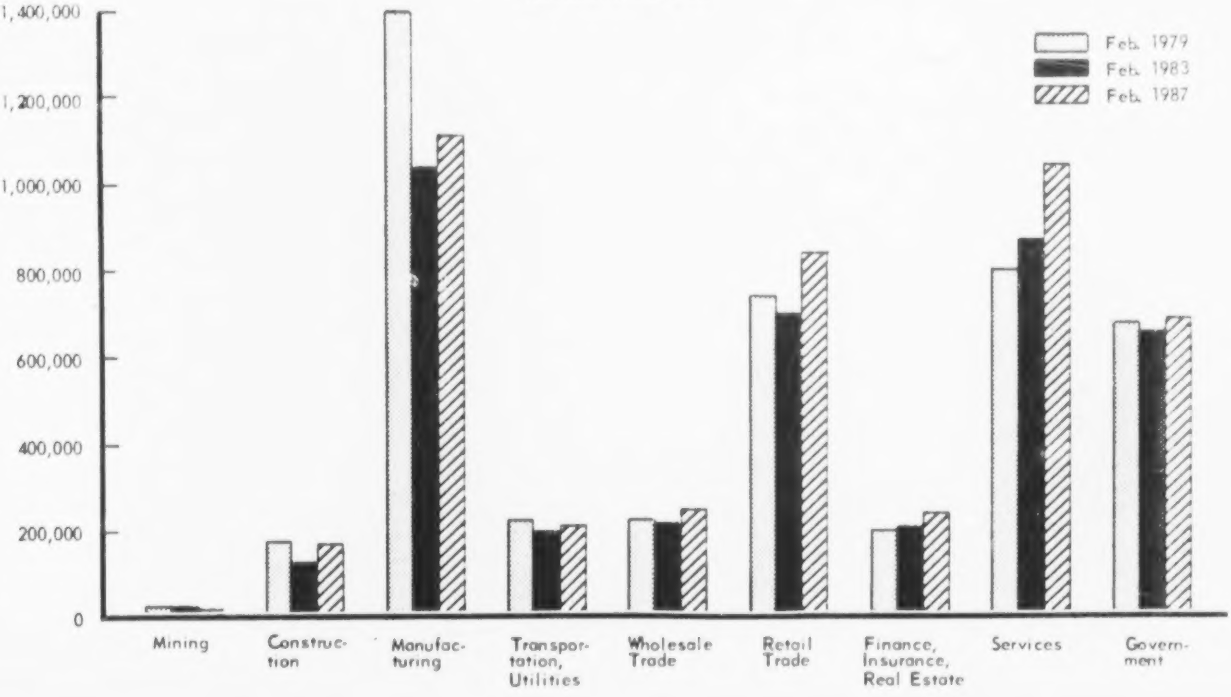
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)

EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural	Manufacturing		
Total	Employed	Unemployed	Ohio	US				Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.4	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.2	768.7	355.5
5,234	4,809	425	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1986				
5,220	4,747	473	9.1	7.8	February	4,348.7	1,109.8	756.7	353.1
5,233	4,819	415	7.9	7.5	March	4,374.5	1,110.0	757.2	352.8
5,225	4,811	414	7.9	7.0	April	4,446.7	1,114.1	760.3	353.9
5,187	4,798	389	7.5	7.0	May	4,491.8	1,112.3	757.2	355.1
5,267	4,809	458	8.7	7.3	June	4,510.9	1,118.3	760.1	358.2
5,295	4,882	413	7.8	7.0	July	4,478.3	1,105.8	750.6	355.2
5,261	4,838	423	8.0	6.7	August	4,488.4	1,107.4	748.4	359.0
5,189	4,755	434	8.4	6.8	September	4,531.8	1,109.4	748.0	361.4
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.5
5,205	4,732	473	9.1	7.2	February	4,470.1	1,097.1	743.4	353.6

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	175.6	225.0	225.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.5	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.6	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.5	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.6	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,238.8	23.8	128.7	197.5	241.9	February	778.7	224.2	956.8	687.3
3,264.5	23.1	133.9	198.9	242.3	March	784.8	225.3	965.7	690.5
3,332.6	22.6	151.3	201.9	244.2	April	803.5	228.1	990.6	690.1
3,379.5	22.5	162.0	203.2	245.6	May	817.2	230.6	1,003.4	694.9
3,392.6	22.5	166.1	203.7	247.0	June	825.3	233.5	1,012.8	679.8
3,372.5	22.6	175.3	208.1	247.1	July	825.9	236.1	1,013.8	643.5
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,453.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	686.8
3,373.0	20.8	139.5	206.0	246.0	February	810.8	237.4	1,013.5	699.0

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment

(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,296.3	901.5	394.8	1976
1,344.1	944.2	399.5	1977
1,377.7	974.7	402.9	1978
1,381.1	980.1	401.8	1979
1,294.3	898.8	395.4	1980
1,233.3	860.6	373.2	1981
1,099.8	752.4	347.5	1982
1,066.0	723.8	342.4	1983
1,127.0	773.8	353.9	1984
1,124.0	768.7	355.3	1985
1,109.3	753.2	356.2	1986
			1986
1,105.8	754.7	351.1	February
1,113.7	757.2	352.8	March
1,114.1	760.3	353.8	April
1,112.3	757.1	355.1	May
1,119.3	760.1	356.2	June
1,105.8	750.6	355.3	July
1,107.4	748.4	359.2	August
1,109.4	745.9	361.4	September
1,098.4	741.8	356.7	October
1,105.8	749.1	356.7	November
1,106.3	749.6	356.7	December
			1987
1,095.7	741.2	354.6	January
1,097.2	743.4	353.8	February

Production Workers in Manufacturing

	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1976	[illegible]	[illegible]	[illegible]
1977	[illegible]	[illegible]	[illegible]
1978	[illegible]	[illegible]	[illegible]
1979	[illegible]	[illegible]	[illegible]
1980	[illegible]	[illegible]	[illegible]
1981	[illegible]	[illegible]	[illegible]
1982	[illegible]	[illegible]	[illegible]
1983	[illegible]	[illegible]	[illegible]
1984	[illegible]	[illegible]	[illegible]
1985	[illegible]	[illegible]	[illegible]
1986	[illegible]	[illegible]	[illegible]
1986			
February	[illegible]	[illegible]	[illegible]
March	[illegible]	[illegible]	[illegible]
April	[illegible]	[illegible]	[illegible]
May	[illegible]	[illegible]	[illegible]
June	[illegible]	[illegible]	[illegible]
July	[illegible]	[illegible]	[illegible]
August	[illegible]	[illegible]	[illegible]
September	[illegible]	[illegible]	[illegible]
October	[illegible]	[illegible]	[illegible]
November	[illegible]	[illegible]	[illegible]
December	[illegible]	[illegible]	[illegible]
1987			
January	[illegible]	[illegible]	[illegible]
February	[illegible]	[illegible]	[illegible]

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.54	358.15	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	496.56	425.80	1985
486.59	507.95	439.71	1986
			1986
488.68	512.90	432.41	February
488.25	512.48	433.46	March
481.54	504.71	426.59	April
480.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	436.19	July
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.90	521.73	447.53	February

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.1	42.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.1	41.5	1978
41.5	41.6	41.1	1979
40.6	40.5	40.2	1980
40.9	40.9	40.7	1981
40.1	40.3	40.4	1982
41.4	41.6	41.2	1983
42.3	42.6	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
42.2	42.6	41.7	February
42.2	42.6	41.4	March
41.8	42.2	40.9	April
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$ 6.14	$ 6.10	$ 5.69
1977	6.74	6.92	6.24
1978	7.29	7.53	6.73
1979	7.84	8.06	7.25
1980	8.57	8.85	7.96
1981	9.53	9.82	8.80
1982	10.07	10.29	9.38
1983	10.56	10.87	9.77
1984	10.96	11.32	10.02
1985	11.38	11.74	10.31
1986	11.56	11.98	10.57
1986			
February	11.58	12.04	10.37
March	11.57	12.03	10.47
April	11.52	11.96	10.43
May	11.49	11.90	10.53
June	11.50	11.90	10.57
July	11.49	11.86	10.56
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.79	12.19	10.81

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

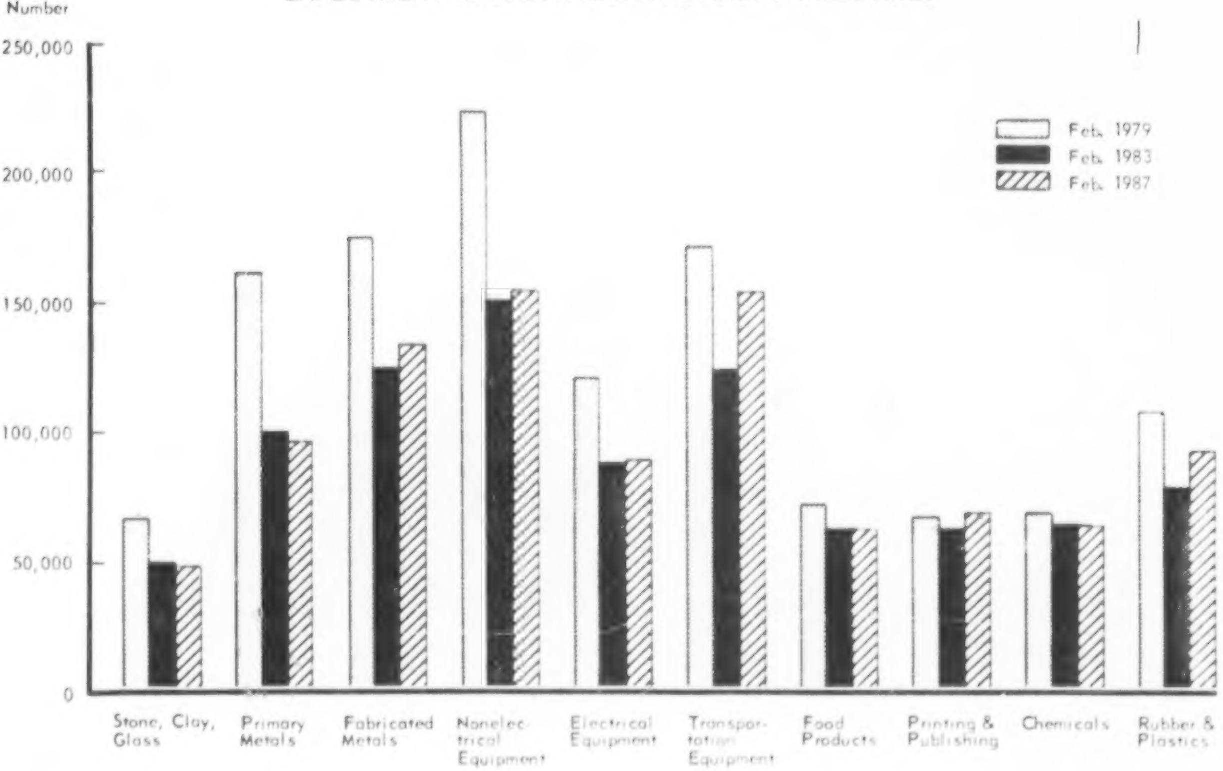
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.8	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.7	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.8	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	65.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.5	101.8	139.5	1985	166.1	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
47.7	98.9	137.0	February	160.5	88.9	155.6	February	60.9	67.6	92.2
48.2	99.0	137.4	March	160.7	89.0	154.3	March	60.7	67.5	92.1
49.6	98.5	137.9	April	160.5	89.6	154.5	April	60.6	68.0	92.4
49.9	98.4	137.6	May	160.3	90.1	150.5	May	61.6	68.1	92.3
50.5	97.2	137.8	June	160.3	89.6	154.0	June	62.6	68.9	92.9
50.4	93.9	135.5	July	159.0	89.1	153.5	July	63.0	68.9	90.2
50.6	91.9	135.5	August	158.3	90.4	151.1	August	66.2	68.9	90.2
50.4	90.1	137.2	September	158.1	90.1	151.2	September	66.6	69.3	91.2
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	66.8	91.3
47.9	96.4	133.3	February	154.1	90.0	153.4	February	61.7	66.9	91.0

Average Weekly Earnings of Production Workers

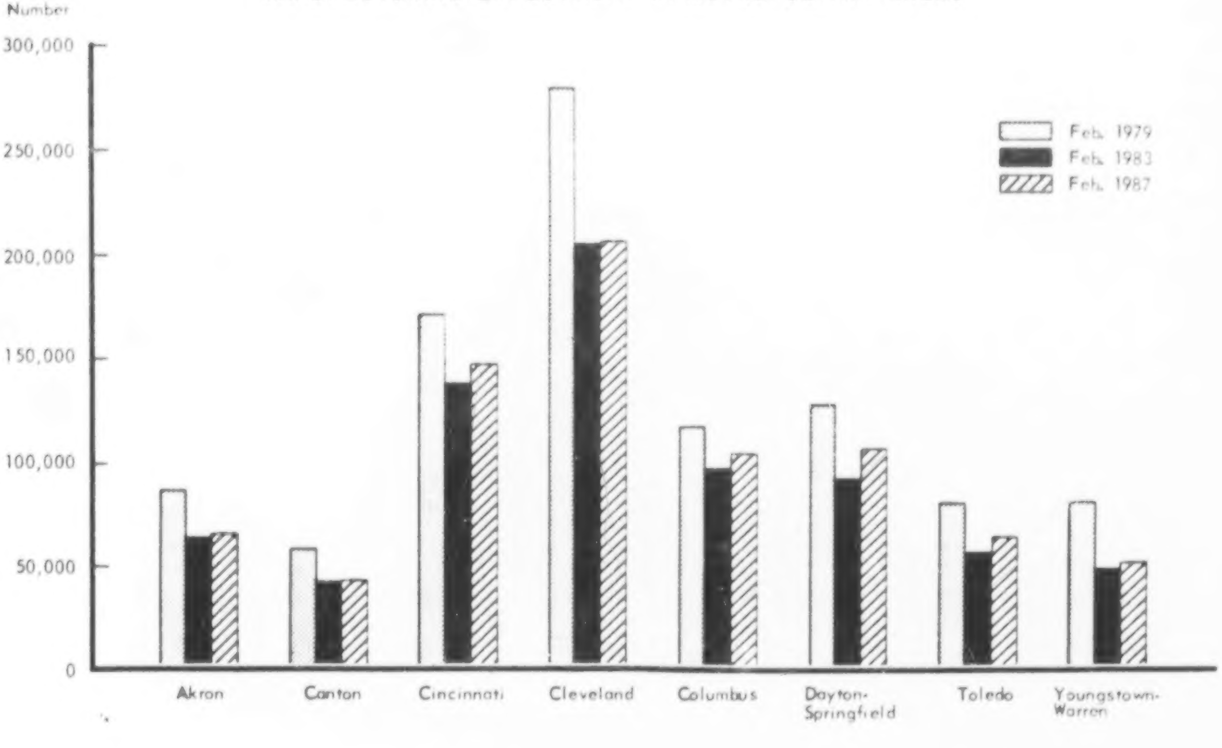
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$232.40	$294.58	$256.68	1976	$253.31	$221.54	$302.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.65	1978	281.15	295.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.02	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	363.75	347.70	368.87
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	391.11
400.57	503.85	460.65	1983	424.09	394.53	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	436.96
			1986				1986			
434.84	561.19	496.18	February	483.51	460.06	652.24	February	402.98	400.62	438.44
446.37	550.78	506.32	March	489.20	459.80	644.67	March	395.39	408.67	438.60
444.11	546.40	495.01	April	482.22	452.79	632.60	April	399.10	398.91	423.43
446.37	547.80	486.36	May	481.20	451.28	620.54	May	419.67	407.33	433.15
443.56	545.89	494.06	June	483.07	450.58	616.40	June	417.91	402.80	443.66
442.24	548.05	472.55	July	473.30	448.11	600.66	July	431.04	406.75	431.38
449.86	566.46	486.99	August	481.85	452.35	616.40	August	422.99	410.80	438.65
447.62	559.68	494.38	September	485.41	464.88	629.31	September	420.33	417.40	441.34
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.39
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
443.15	596.67	510.35	February	499.38	482.04	643.13	February	433.26	424.99	436.96

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	4470.1	4466.9	4348.7	3.2	[illegible]
MANUFACTURING	1097.1	1095.7	1108.6	1.3	[illegible]
Durable Goods[f]	743.4	741.2	756.7	2.2	[illegible]
Lumber and wood products	18.4	18.1	16.8	.3	1.6
Furniture and fixtures	14.4	14.4	14.4	.0	.0
Stone, clay and glass products	47.9	47.8	47.7	.1	.2
Glass and glassware, pressed or blown	10.9	10.9	11.1	.0	.2
Primary metal industries	96.4	93.8	98.0	2.6	1.6
Blast furnace and basic steel products	44.5	42.8	44.4	1.7	.1
Iron and steel foundries	19.5	19.3	21.7	.2	- [illegible]
Nonferrous rolling and drawing	17.2	16.9	18.1	.3	- .9
Fabricated metal products	133.3	134.3	137.8	- 1.0	- [illegible]
Cutlery, hand tools, and hardware	10.1	10.2	11.0	- .1	- .9
Fabricated structural metal products	27.9	28.7	28.7	- .8	- .8
Metal forgings and stampings	42.7	42.9	41.8	.2	.9
Machinery, except electrical	154.1	155.0	160.5	- .9	- 6.4
Construction and related machinery	12.2	12.4	13.2	- .2	- 1.0
Metalworking machinery	39.4	39.7	41.6	- .3	- 2.2
Special industry machinery	16.9	15.9	17.3	[illegible]	- .4
General industrial machinery	26.9	27.4	29.0	- .5	- 2.1
Office and computing machines	13.3	13.4	13.6	- .1	- .3
Refrigeration and service machinery	16.9	16.7	16.8	.2	.1
Electric and electronic equipment	90.2	90.6	88.9	- .4	1.3
Electrical industrial apparatus	16.8	16.9	17.6	- .1	- .8
Household appliances	17.3	17.6	16.7	- .3	.6
Electric lighting and wiring equipment	17.8	17.9	18.1	- .1	- .3
Communication equipment	10.6	10.6	10.6	.0	.0
Transportation equipment	153.4	151.7	155.6	1.7	- 2.2
Motor vehicles and equipment	98.3	95.6	102.0	2.7	- 3.7
Aircraft and parts	45.6	46.3	45.3	- .7	.3
Instruments and related products	22.1	22.2	23.1	- .1	- 1.0
Measuring and controlling devices	12.0	11.9	12.7	.1	- .7
Nondurable Goods	353.6	354.6	351.1	- .9	2.5
Food and kindred products	61.7	62.1	60.9	- .4	.8
Meat products	9.6	9.5	9.4	.1	.2
Dairy products	10.3	10.1	9.5	.2	.8
Preserved fruits and vegetables	10.2	10.9	10.7	- .7	- .5
Bakery products	8.5	8.4	8.4	.1	.1
Beverages	9.8	9.8	9.8	.0	.0
Apparel and other textile products	16.2	16.0	16.2	.2	.0
Paper and allied products	37.0	37.5	37.4	- .4	- .4
Misc. converted paper products	11.7	11.8	12.0	- .1	- .3
Paperboard containers and boxes	12.7	12.9	12.6	- .3	.1
Printing and publishing	68.9	68.8	67.6	.1	1.3
Newspapers	19.4	19.6	18.6	- .2	.8
Commercial printing	26.0	26.0	25.8	.0	.2
Chemicals and allied products	63.1	63.1	62.3	- .1	.8
Industrial inorganic chemicals	10.1	10.0	9.9	.1	.2
Rubber and misc. plastics products	91.0	91.3	92.2	.4	- 1.3
Tires and inner tubes	17.6	17.7	18.5	.0	- .9
Miscellaneous plastics products	53.6	53.8	53.3	- .2	.3

See footnotes on page 13

Nonagricultural Wage & Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[p]	January 1987[r]	February 1986[r]	From Last Month	From Last Year
NONMANUFACTURING	3173.0	3170.4	3036.8	2.6	136.2
MINING	22.8	22.7	23.0	.1	[illegible]
Bituminous coal and lignite mining	9.5	9.8	10.1	.3	[illegible]
Oil and gas extraction	7.0	7.2	8.6	.2	- [illegible]
CONSTRUCTION	139.5	144.7	128.7	- 5.2	[illegible]
General building contractors	33.7	35.1	34.1	- 1.4	[illegible]
Heavy construction contractors	17.5	[illegible]	15.5	.8	[illegible]
Highway and street construction	[illegible]	[illegible]	4.8	- .1	[illegible]
Special trade contractors	88.3	[illegible]	81.9	- 3.0	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	206.0	205.1	197.5	.8	[illegible]
Railroad transportation	14.1	14.7	15.3	- .6	[illegible]
Transportation except railroads	97.8	96.8	92.3	1.0	[illegible]
Trucking and warehousing	66.2	[illegible]	65.2	[illegible]	1.0
Communication electric gas services	94.0	94.3	88.9	- .3	[illegible]
Communication	52.7	52.7	48.8	.0	[illegible]
Electric gas and sanitary services	41.3	41.4	41.1	- .1	[illegible]
WHOLESALE TRADE	245.7	245.7	241.0	.0	[illegible]
Wholesale trade-durable goods	155.0	156.1	154.0	[illegible]	[illegible]
Motor vehicles & automotive equipment	22.0	22.2	22.3	- .2	[illegible]
Electrical goods	27.7	27.8	25.6	- .1	[illegible]
Machinery equipment and supplies	67.2	67.3	66.5	- .1	.7
Wholesale trade-nondurable goods	90.7	90.5	87.9	[illegible]	2.8
Groceries and related products	28.9	28.6	27.5	.3	1.4
RETAIL TRADE	812.8	[illegible]	776.7	- 15.[illegible]	[illegible]
General merchandise stores	115.9	[illegible]	115.3	- 5.8	.6
Department stores	98.3	[illegible]	98.7	- 5.8	- .4
Food stores	128.2	128.4	125.1	- .2	[illegible]
Automotive dealers & service stations	92.3	92.1	88.2	.2	4.1
Apparel and accessory stores	38.2	39.5	36.7	- 1.3	1.5
Eating and drinking places	281.3	[illegible]	268.3	- .6	13.0
FINANCE INSURANCE AND REAL ESTATE	237.4	236.8	224.2	.6	13.2
Banking	62.3	62.4	60.6	- .1	1.7
Credit agencies other than banks	37.9	37.6	35.0	.3	2.9
Insurance carriers	54.4	54.2	41.5	.2	[illegible]
Life insurance	24.0	23.9	23.3	.1	.7
Fire marine and casualty insurance	28.7	28.6	28.0	.1	.7
SERVICES	1013.5	1006.1	955.8	7.4	[illegible]
Hotels and other lodging places	32.1	31.8	31.4	.3	.7
Personal services	56.8	56.4	53.8	.4	3.0
Laundry cleaning & garment services	18.1	18.0	17.4	.1	.7
Business services	200.6	199.5	178.7	1.1	22.0
Services to buildings	28.8	28.6	26.7	.2	2.1
Computer and data processing services	19.1	19.0	16.9	.1	2.2
Amusement and recreation services	29.0	28.5	27.8	.5	1.2
Health services	352.6	352.1	335.9	.5	16.7
Nursing and personal care facilities	77.6	77.5	73.8	.1	3.8
Hospitals	174.2	173.7	166.5	.5	7.7
Educational services	62.9	59.6	64.4	3.3	- 1.5
Colleges and universities	35.1	32.1	36.4	3.0	- 1.3
GOVERNMENT	699.0	688.8	687.3	10.2	11.7
Federal government	93.6	93.4	93.1	.2	.5
State government	157.3	152.8	152.0	4.5	5.3
State government education	83.9	79.7	82.4	4.2	1.5
State government except education	73.4	73.1	69.6	.3	3.8
Local government	448.1	442.6	442.2	5.5	5.9
Local government education	265.5	259.7	260.5	5.8	5.0
Local government except education	182.6	182.8	181.6	- .2	1.0

See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MANUFACTURING	$499.90	$502.58	$488.58	42.4	42.7	42.2	$11.79	$11.77	$11.58
Durable Goods[d]	521.73	524.96	512.90	42.8	43.1	42.6	12.19	12.18	12.04
Lumber and wood products	283.22	285.72	281.32	39.5	40.1	39.4	7.17	7.13	7.14
Furniture and fixtures	342.19	349.61	339.01	40.4	40.7	40.6	8.47	8.59	8.35
Stone, clay, and glass products	443.15	441.31	434.84	41.3	40.9	41.1	10.73	10.79	10.58
Glass and glassware, pressed or blown	467.31	466.22	465.56	40.6	40.4	41.2	11.51	11.54	11.30
Primary metal industries	596.67	593.61	561.19	44.1	44.2	42.1	13.53	13.43	13.33
Blast furnace and basic steel products	614.15	615.03	550.67	43.9	44.6	40.7	13.99	13.79	13.53
Iron and steel foundries	636.96	635.21	620.20	45.4	45.6	44.3	14.03	13.93	14.00
Nonferrous rolling and drawing	592.75	582.83	579.90	42.4	41.9	41.6	13.98	13.91	13.94
Fabricated metal products	510.35	515.91	496.18	42.6	43.1	42.3	11.98	11.97	11.73
Cutlery, hand tools, and hardware	476.77	472.02	494.10	40.2	39.9	40.5	11.86	11.83	12.20
Fabricated structural metal products	439.67	441.42	413.83	41.4	42.0	41.3	10.62	10.51	10.02
Metal forgings and stampings	656.89	673.35	637.58	44.9	45.9	44.4	14.63	14.67	14.36
Machinery, except electrical	499.38	498.53	483.51	42.5	42.5	42.6	11.75	11.73	11.35
Construction and related machinery	418.20	414.10	404.61	41.0	41.0	40.3	10.20	10.10	10.04
Metalworking machinery	463.56	468.00	462.40	41.8	42.2	42.5	11.09	11.09	10.88
Special industry machinery	464.25	460.22	446.42	41.9	41.8	41.8	11.08	11.01	10.68
General industrial machinery	514.25	507.95	504.38	42.5	42.4	42.6	12.10	11.98	11.84
Office and computing machines	399.36	383.51	397.11	41.6	40.2	42.7	9.60	9.54	9.30
Refrigeration and service machinery	608.75	611.59	588.74	42.9	43.1	44.1	14.19	14.19	13.35
Electric and electronic equipment	462.04	473.61	460.06	41.7	42.4	41.9	11.08	11.17	10.98
Electrical industrial apparatus	441.86	453.84	445.26	40.8	42.1	40.7	10.83	10.78	10.94
Household appliances	491.21	506.11	470.50	42.2	43.0	41.6	11.64	11.77	11.31
Electric lighting and wiring equipment	477.15	501.17	458.02	41.6	42.4	41.6	11.47	11.82	11.01
Communication equipment	455.83	459.82	494.98	39.5	40.3	41.7	11.54	11.41	11.87
Transportation equipment	643.13	647.91	652.24	44.6	44.9	45.2	14.42	14.43	14.43
Motor vehicles and equipment	660.67	677.24	684.63	44.4	45.3	45.4	14.88	14.95	15.08
Aircraft and parts	614.21	586.09	573.82	45.7	44.2	44.9	13.44	13.26	12.78
Instruments and related products	374.51	375.15	351.74	41.2	41.0	39.3	9.09	9.15	8.95
Measuring and controlling devices	366.76	374.46	342.62	39.1	39.5	37.9	9.38	9.48	9.04
Nondurable Goods[d]	447.53	449.53	432.41	41.4	41.7	41.3	10.81	10.78	10.47
Food and kindred products	433.26	438.46	402.98	41.5	42.2	40.5	10.44	10.39	9.95
Meat products	386.46	384.09	347.88	41.6	41.3	39.0	9.29	9.30	8.92
Dairy products	459.00	458.77	435.74	42.5	42.4	42.1	10.80	10.82	10.35
Preserved fruits and vegetables	442.66	457.68	390.57	42.4	43.3	40.6	10.44	10.57	9.62
Bakery products	458.25	457.85	430.91	39.0	38.9	38.1	11.75	11.77	11.31
Beverages	384.55	392.80	388.39	39.2	40.0	38.8	9.81	9.82	10.01
Apparel and other textile products	279.27	273.80	267.51	38.1	37.0	37.0	7.33	7.40	7.23
Paper and allied products	492.62	503.10	484.74	44.3	45.0	44.8	11.12	11.18	10.82
Misc. converted paper products	456.30	485.10	450.24	45.0	46.2	44.8	10.14	10.50	10.05
Paperboard containers and boxes	431.21	428.13	409.92	42.4	42.6	42.7	10.17	10.05	9.60
Printing and publishing	424.99	416.96	400.62	38.6	38.5	38.3	11.01	10.83	10.46
Newspapers	358.80	343.40	325.38	34.7	33.7	33.0	10.34	10.19	9.86
Commercial printing	417.59	408.72	404.99	39.1	39.3	39.9	10.68	10.40	10.15
Chemicals and allied products	526.66	523.75	506.57	41.6	41.9	41.9	12.66	12.50	12.09
Industrial inorganic chemicals	560.14	550.33	542.10	41.4	41.1	41.7	13.53	13.39	13.00
Rubber and misc. plastics products	436.96	443.59	438.44	42.3	42.9	42.9	10.33	10.34	10.22
Tires and inner tubes	661.76	646.81	630.20	47.1	46.6	46.0	14.05	13.88	13.70
Miscellaneous plastics products	415.33	428.71	424.15	41.7	42.7	42.8	9.96	10.04	9.91

See footnotes on page 13

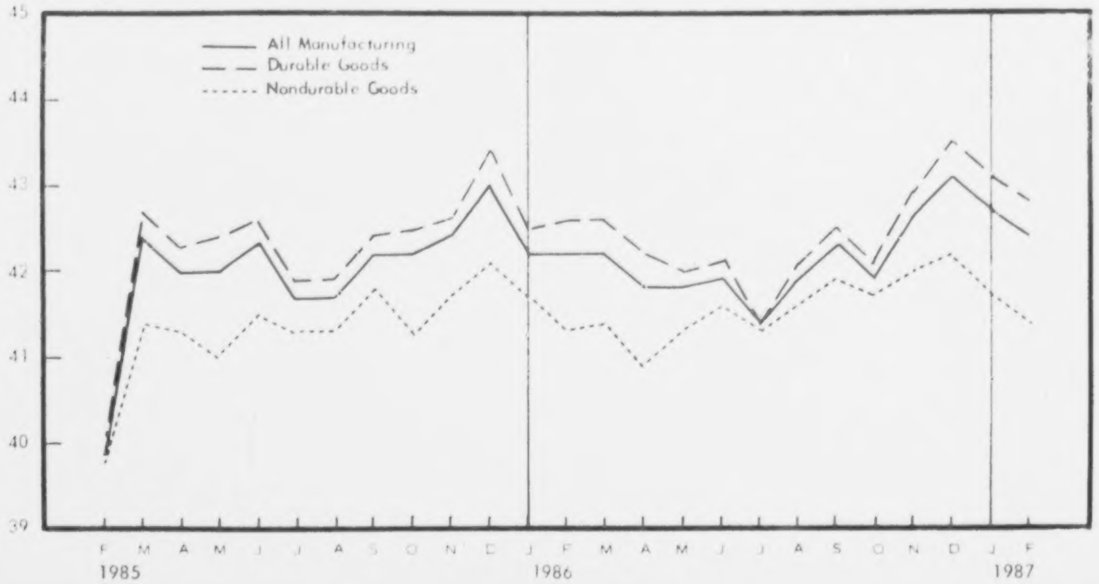
Ohio (continued)

Hours & Earnings of Production or Nonsupervisory Workers[a]

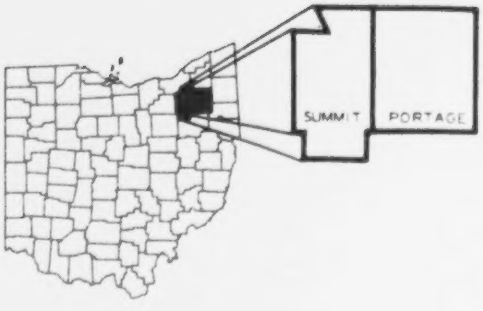
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MINING	$550.21	$546.69	$513.30	43.6	43.7	43.5	$12.62	[illegible]	[illegible]
Bituminous coal and lignite mining	664.78	650.16	623.06	43.0	42.0	42.3	15.46	15.4[illegible]	14.73
CONSTRUCTION	550.47	551.41	572.14	37.7	39.4	37.2	14.60	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	533.25	535.30	515.16	40.2	40.4	[illegible]	13.26	[illegible]	[illegible]
Communication	523.77	525.20	503.27	39.8	40.0	39.5	13.16	[illegible]	[illegible]
Electric, gas, and sanitary services	544.57	548.47	529.72	40.7	40.9	41.0	13.38	[illegible]	[illegible]
WHOLESALE TRADE	366.66	368.32	356.98	38.8	39.1	38.8	9.45	9.42	[illegible]
Wholesale trade-durable goods	362.70	365.10	353.98	39.0	39.0	39.2	9.30	[illegible]	9.03
Wholesale trade-nondurable goods	372.86	373.07	361.38	38.4	38.7	38.0	9.71	[illegible]	[illegible]
RETAIL TRADE[f]	157.64	155.96	153.71	28.0	28.0	28.1	5.63	5.57	[illegible]
General merchandise stores	171.60	169.62	168.04	28.6	28.7	28.1	6.00	5.91	[illegible]
Department stores	177.37	174.46	172.25	28.7	28.6	28.1	6.18	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	253.70	257.78	245.31	....	....	....	.....	.....	.....
Credit agencies other than banks	245.06	247.27	237.82	....	....	....	.....	.....	.....
Insurance carriers	345.39	343.67	318.21	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	324.36	324.36	312.66	33.7	33.2	33.1	[illegible]	[illegible]	[illegible]

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tob[illegible] manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Money payments only, tips not included. [h]In[illegible] State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural rese[illegible] centers, and the Ohio Department of Education. [i]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



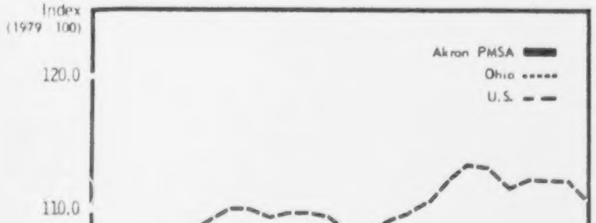
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



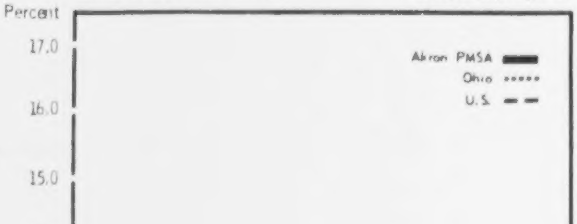
Nonagricultural wage and salary employment for the Akron metropolitan area was reduced by 200 from January, to 259,300 in February. Employment in manufacturing dropped 300, to 66,300. Nonmanufacturing employment registered an increase of 100, as the return of nonteaching personnel in state government education was nearly offset by reductions in retail trade and construction. Manufacturing production workers averaged a 42.9 hour workweek, down .2 hours from January. Their average hourly earnings were $11.48, an increase of $.12 from the previous month.

Nonfarm wage and salary employment advanced 4,700 over the year. The expansion occurred in nonmanufacturing as retail trade, services, and construction had sizable increases. Manufacturing employment was reduced by 300 jobs over the year. Losses were concentrated in tires and inner tubes and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



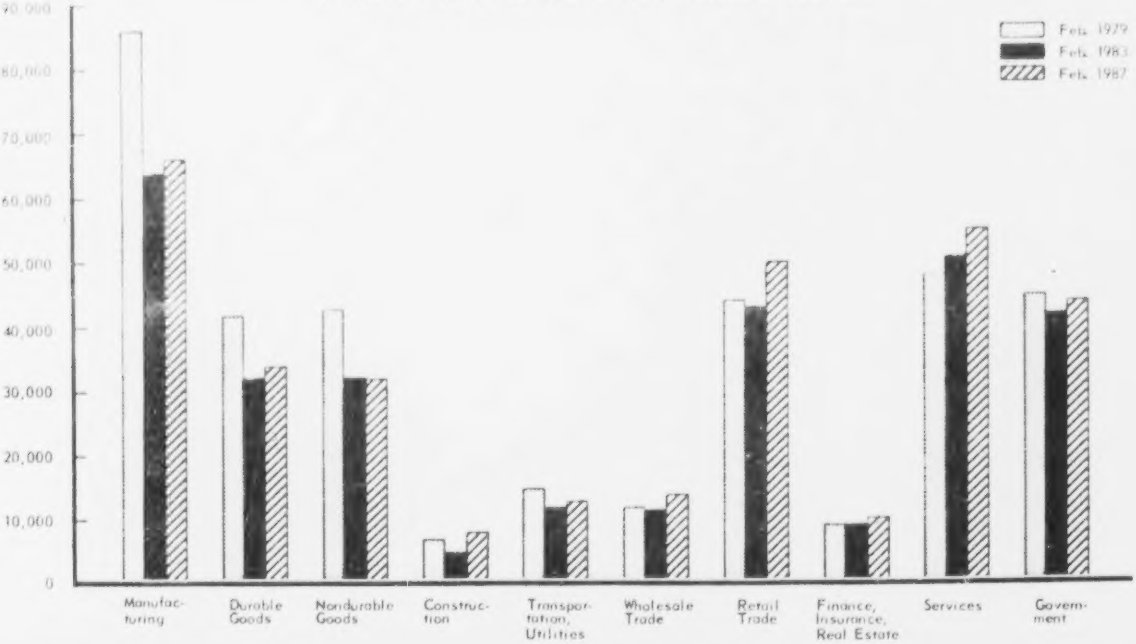
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.1	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.92	42.3	6.76
[illegible]	[illegible]	16.7	5.8	1978	266.5	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	51.8	321.57	41.6	7.73
306.5	279.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	[illegible]	35.9	11.8	1982	248.8	70.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.11	43.1	10.49
[illegible]	[illegible]	[illegible]	[illegible]	1984	252.2	67.8	36.0	[illegible]	43.7	10.79
[illegible]	[illegible]	27.3	[illegible]	1985	257.6	68.1	37.3	[illegible]	43.2	11.00
[illegible]	[illegible]	[illegible]	[illegible]	1986	260.0	66.6	[illegible]	484.79	43.2	11.22
				1986						
314.0	285.8	[illegible]	[illegible]	January	254.2	66.6	36.3	471.37	42.7	11.10
[illegible]	[illegible]	[illegible]	[illegible]	February	256.0	66.6	36.2	479.79	43.1	11.13
[illegible]	[illegible]	25.1	8.1	March	258.0	66.7	36.2	[illegible]	43.5	11.17
[illegible]	288.8	25.1	8.1	April	259.0	67.1	36.5	470.87	41.8	11.27
[illegible]	[illegible]	23.6	7.6	May	262.0	67.2	36.5	475.50	43.0	11.06
318.0	291.7	26.3	8.3	June	261.8	67.5	36.0	492.12	43.9	11.21
[illegible]	296.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.8	11.10
[illegible]	297.5	24.7	7.8	August	257.1	65.1	35.6	491.81	43.6	11.28
[illegible]	293.6	26.1	8.2	September	263.9	65.7	36.3	493.10	43.3	11.32
[illegible]	296.2	24.3	7.6	October	263.9	66.8	36.0	488.91	43.0	11.37
[illegible]	301.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
[illegible]	297.6	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
317.6	291.5	26.1	8.2	January	258.5	66.6	36.2	489.62	43.1	11.36
TNA	TNA	TNA	TNA	February	258.3	66.3	36.0	492.40	42.9	11.48

[illegible]

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	259.3	259.5	254.6	-.2	4.7
MANUFACTURING	66.3	66.6	66.6	-.3	-.3
Durable Goods[e]	34.4	34.7	34.8	-.2	-.4
Fabricated metal products	12.6	12.8	12.8	-.2	-.2
Machinery except electrical	9.1	9.1	9.5	.0	-.4
Metalworking machinery	3.0	3.0	3.1	.0	-.2
Nondurable Goods[f]	31.9	31.9	31.8	-.1	.1
Food and kindred products	2.7	2.7	2.7	.0	.1
Chemicals and allied products	2.9	2.9	2.8	.0	.1
Rubber and misc. plastics products	20.6	20.7	21.1	-.1	-.4
Tires and inner tubes	13.4	13.4	14.2	.0	-.9
NONMANUFACTURING[g]	193.0	192.9	188.0	.1	5.0
CONSTRUCTION	7.6	7.9	6.9	-.3	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.1	12.9	12.8	.1	.3
Communication, electric, gas services	5.4	5.4	5.3	.0	.1
WHOLESALE TRADE	13.6	13.8	13.5	-.2	.1
RETAIL TRADE	49.7	50.3	47.4	-.5	2.3
General merchandise stores	6.4	6.9	6.5	-.5	-.1
FINANCE, INSURANCE, AND REAL ESTATE	10.2	10.2	9.7	.0	.4
Banking	3.1	3.1	3.1	.0	.0
SERVICES	54.6	54.6	53.7	.0	.9
Business services	10.6	10.7	10.3	-.1	.3
Amusement and recreation services	2.2	2.2	2.3	.0	-.1
Health services	17.6	17.6	17.6	.0	.0
GOVERNMENT	43.6	42.5	43.0	1.1	.6
State government	15.6	14.6	15.0	.9	.6
State government education	12.6	11.7	12.2	1.0	.5
State government, except education	2.9	2.9	2.9	.0	.1
Local government	25.7	25.5	25.7	.2	.0
Local government education	14.4	14.2	14.4	.2	.0
Local government, except education	11.3	11.3	11.3	.0	-.1

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

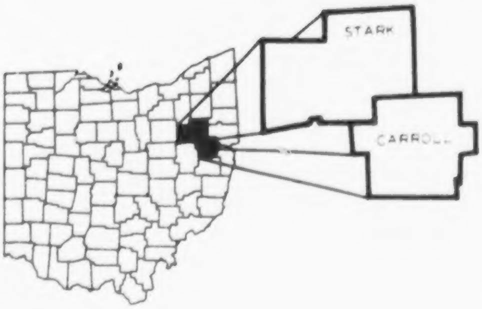
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MANUFACTURING	$492.49	$489.62	$479.70	42.9	43.1	43.1	$11.48	$11.36	$11.13
Durable Goods[e]	514.61	506.43	492.42	43.1	43.1	43.5	11.94	11.75	11.32
Fabricated metal products	657.30	637.71	620.13	45.3	45.1	45.8	14.51	14.14	13.54
Machinery, except electrical	442.38	435.44	418.07	43.8	43.5	43.1	10.10	10.01	9.70
Metalworking machinery	453.32	463.50	438.14	44.4	45.0	44.8	10.21	10.30	9.78
Nondurable Goods[f]	459.43	466.34	460.93	42.5	43.1	42.6	10.81	10.82	10.82
Food and kindred products	423.47	439.56	422.26	39.8	40.7	39.5	10.64	10.80	10.69
Chemicals and allied products	469.53	474.43	450.58	40.9	41.8	41.3	11.48	11.35	10.91
Rubber and misc. plastics products	490.40	492.17	489.51	44.3	44.5	44.1	11.07	11.06	11.10
Tires and inner tubes	731.92	731.87	710.97	50.2	50.3	49.1	14.58	14.55	14.48
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	541.23	539.48	522.00	40.3	40.2	40.0	13.43	13.42	13.05
WHOLESALE TRADE	322.49	316.22	321.10	38.3	37.6	38.0	8.42	8.41	8.45
RETAIL TRADE[h]	198.45	197.82	175.03	31.5	31.5	28.5	6.30	6.28	6.12

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	2,465	2,843	2,522
Active File of Job Seekers	21,290	20,680	25,924
Referrals to Jobs	980	789	1,240
Placements	185	131	170
Job Openings Received	425	379	400
Job Openings Unfilled	519	479	591
Unemployment Insurance Program			
Initial Claims	3,443	5,841	3,694
Continued Claims	39,189	39,407	40,982
First Payments	2,535	2,879	2,285
Last Payments	393	500	420
Weeks Compensated	32,374	33,548	34,877
Benefits Paid	$4,841,878	$4,953,512	$5,212,876
Average Weekly Payment	$152.38	$151.70	$152.77

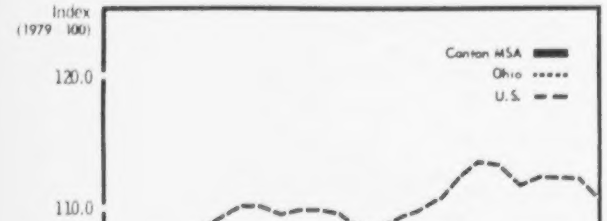
CANTON
METROPOLITAN STATISTICAL AREA



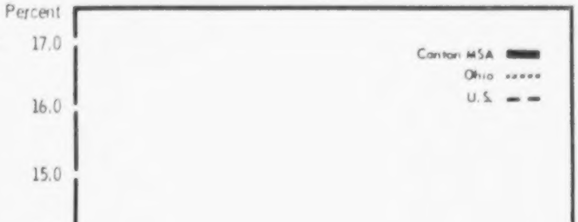
Nonagricultural wage and salary employment in the Canton area totaled 151,500 in February, an increase of 200 from January. Improvement in primary metals accounted for the growth as manufacturing employment rose 200, to 43,000. Employment in nonmanufacturing was unchanged at 108,500. Seasonal decreases in construction and retail trade offset the return of nonteaching personnel in local government education. Production workers worked a 42.2 hour workweek, unchanged from last month. Their average hourly earnings dropped $.06 from January, to $11.39 in February.

Nonfarm employment registered growth of 2,500 since February 1986. Advancements occurred in all nonmanufacturing divisions. The most noteworthy increases took place in retail trade, services, and construction. Manufacturing lost 1,400 jobs over the year, with losses in fabricated metal products and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



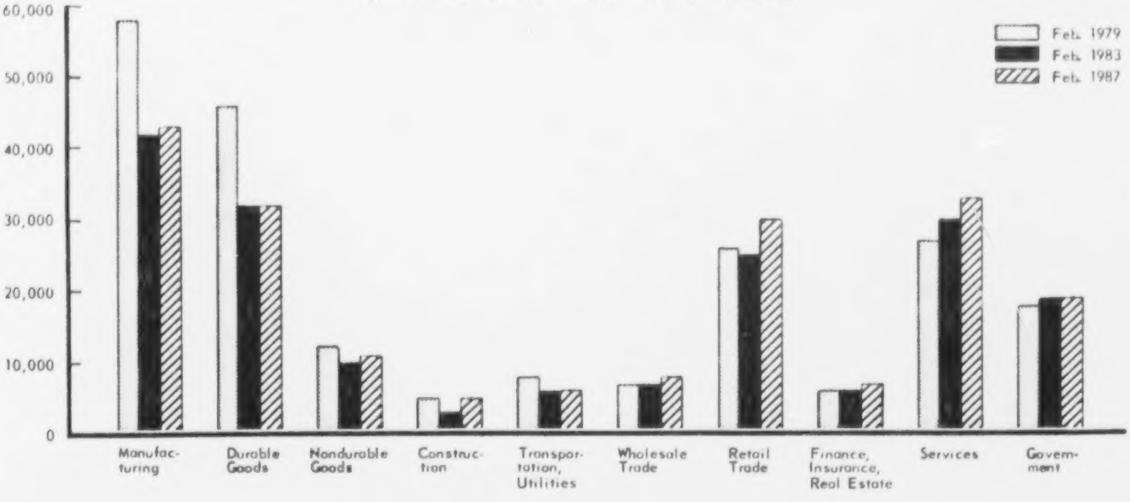
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.6	169.6	20.0	10.5	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.0	451.76	40.3	11.21
				1986						
189.2	166.8	22.4	11.8	January	148.9	44.1	31.4	450.32	40.1	11.23
191.9	170.0	21.9	11.4	February	149.0	44.4	31.8	449.65	40.4	11.13
191.7	171.4	20.2	10.6	March	149.0	44.0	31.3	447.12	40.1	11.15
190.6	170.7	19.9	10.5	April	151.1	44.0	31.4	442.89	39.9	11.10
188.2	170.1	18.0	9.6	May	152.6	44.2	31.6	444.09	39.9	11.13
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.84	41.8	11.41
				1987						
187.9	167.9	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
INA	INA	INA	INA	February	151.5	43.0	30.3	480.66	42.2	11.39

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	151.5	151.3	149.0	.2	2.5
MANUFACTURING	43.0	42.7	44.4	.2	- 1.4
Durable Goods[e]	31.7	31.6	33.0	.1	- 1.3
Primary metal industries	10.1	10.0	10.2	.2	- .1
Fabricated metal products	6.6	6.7	7.0	.0	- .4
Metal forgings and stampings	2.3	2.3	2.6	.0	- .3
Nondurable Goods[f]	11.2	11.1	11.4	.1	- .1
Food and kindred products	3.8	3.7	3.7	.0	.0
Rubber and misc. plastics products	2.7	2.7	2.9	.0	- .2
NONMANUFACTURING[g]	108.5	108.6	104.6	.0	3.9
CONSTRUCTION	4.6	4.9	4.1	- .3	.6
TRANSPORTATION AND PUBLIC UTILITIES	6.0	5.8	5.7	.1	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	- .1
WHOLESALE TRADE	7.9	7.9	7.8	.0	.1
Wholesale trade-durable goods	4.5	4.5	4.4	- .1	.1
RETAIL TRADE	30.4	30.6	28.7	- .2	1.7
General merchandise stores	3.8	4.1	3.6	- .3	.3
Food stores	5.1	5.1	4.9	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.5	6.3	.0	.3
Banking	1.9	1.9	1.9	.0	.0
SERVICES	33.4	33.4	32.3	.0	1.1
Health services	14.6	14.6	1.39	.0	.6
GOVERNMENT	18.7	18.3	18.5	.4	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.5	15.2	15.5	.3	.0
Local government education	9.5	9.2	9.3	.3	.2
Local government, except education	6.0	6.0	6.1	.0	- .2

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

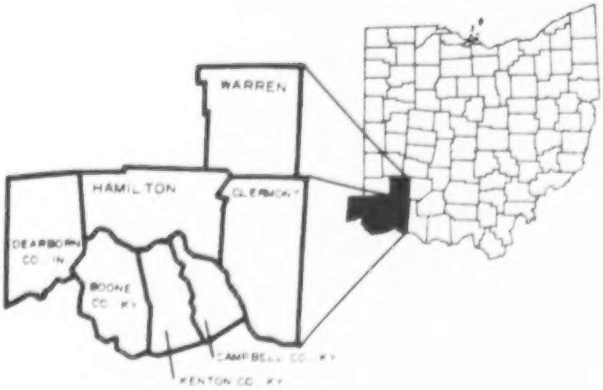
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[d]
MANUFACTURING	$480.65	$483.19	$449.65	42.2	42.2	40.4	$11.39	$11.45	$11.13
Durable Goods[e]	506.65	509.22	470.83	42.9	42.9	40.8	11.81	11.87	11.54
Primary metal industries	574.34	577.56	476.14	44.8	45.2	38.0	12.82	12.78	12.53
Fabricated metal products	477.65	502.80	534.70	41.0	41.8	43.9	11.65	12.03	12.18
Metal forgings and stampings	604.45	663.15	679.36	41.6	43.4	44.0	14.53	15.28	15.44
Nondurable Goods[f]	401.20	403.60	384.75	40.0	40.0	39.3	10.03	10.09	9.79
Food and kindred products	437.72	443.90	391.04	41.1	40.8	38.3	10.65	10.88	10.21
Rubber and misc. plastics products	423.52	428.16	456.82	41.4	42.1	43.3	10.23	10.17	10.55
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	521.70	528.12	514.45	40.1	40.5	40.7	13.01	13.04	12.64
WHOLESALE TRADE	359.05	362.85	343.76	36.6	35.8	36.3	9.81	9.86	9.47
RETAIL TRADE[h]	152.30	150.90	154.19	28.1	28.1	28.5	5.42	5.37	5.41

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, machinery except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile mill products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	1,474	1,760	1,792
Active File of Job Seekers	18,141	18,303	21,259
Referrals to Jobs	824	968	1,279
Placements	117	143	257
Job Openings Received	242	361	517
Job Openings Unfilled	353	358	328
Unemployment Insurance Program			
Initial Claims	2,559	4,560	3,273
Continued Claims	28,255	34,139	32,698
First Payments	1,882	2,285	1,744
Last Payments	302	329	319
Weeks Compensated	23,392	25,615	27,438
Benefits Paid	$3,456,963	$3,716,635	$4,080,062
Average Weekly Payment	$151.71	$150.56	$152.28

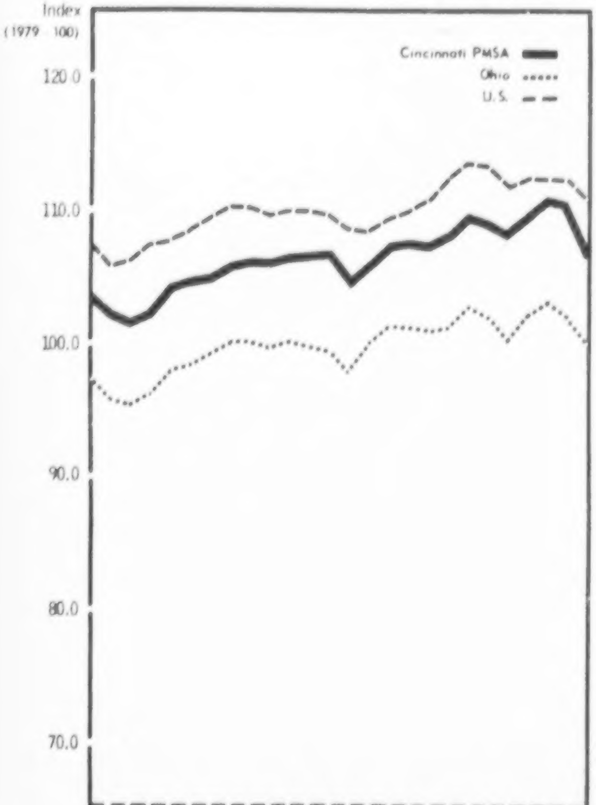
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



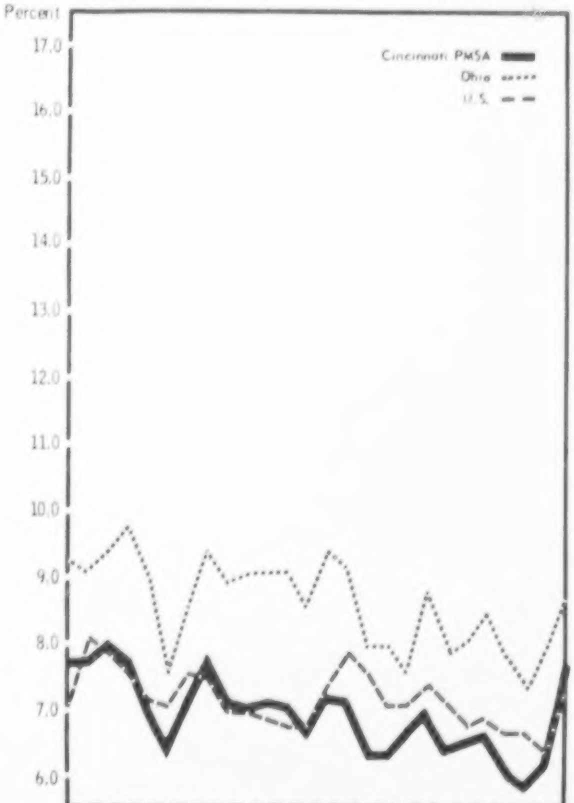
Nonagricultural wage and salary employment in the Cincinnati area was 655,000 in February, up 4,200 from January. Manufacturing employment increased 3,000, due to returns from temporary shutdowns in motor vehicles and equipment. Nonmanufacturing employment rose 1,200. Gains in services and returns of nonteaching personnel in local schools more than offset seasonal declines in retail trade and construction. Production workers in manufacturing worked an average of 42.3 hours per week, unchanged from January. Their average hourly earnings were $11.02, up $.18.

From February 1986 to February 1987, nonagricultural wage and salary employment rose 25,500, due primarily to growth in services and retail trade, although all nonmanufacturing divisions recorded expansion. Manufacturing was down 500, with significant losses in motor vehicles and equipment and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



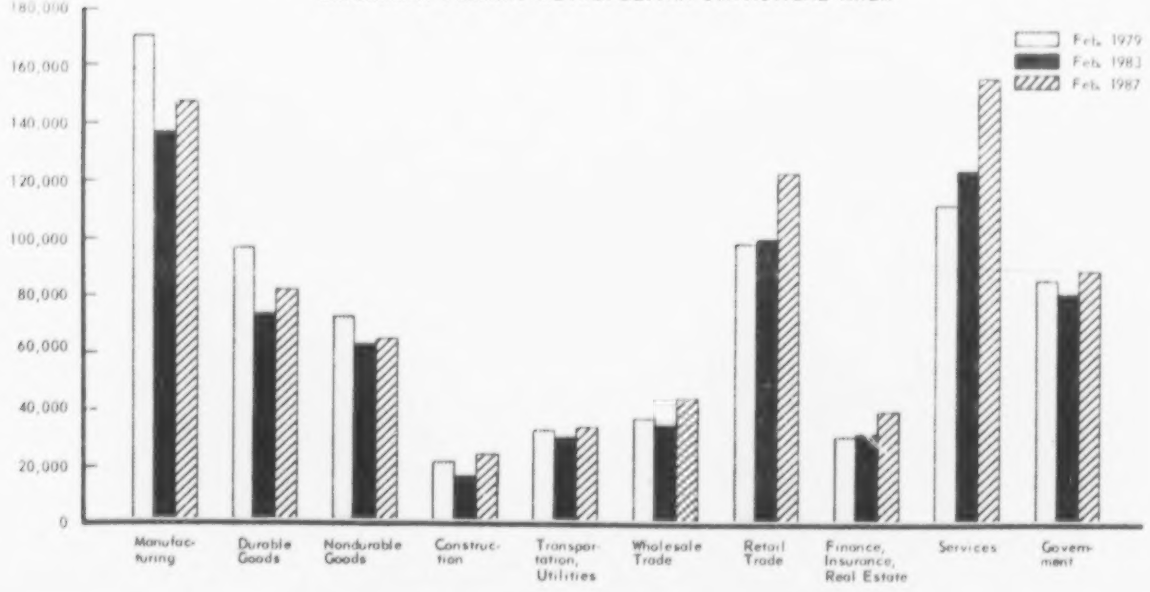
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.72	41.1	$ 5.66
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.7	612.8	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
708.3	657.3	51.0	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.6	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
706.6	655.7	50.9	7.2	January	630.1	148.5	96.4	447.26	41.8	10.70
717.0	666.1	51.0	7.1	February	629.5	147.8	95.8	445.21	41.3	10.78
720.3	674.8	45.5	6.3	March	633.2	147.0	94.8	449.35	41.8	10.75
721.9	676.4	45.5	6.3	April	644.8	147.0	94.4	441.74	41.4	10.67
721.6	673.3	48.3	6.7	May	649.0	144.2	91.8	444.56	41.9	10.61
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.8	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.9	690.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
725.4	669.8	55.6	7.7	January	650.8	144.3	91.8	458.53	42.3	10.84
INA	INA	INA	INA	February	655.0	147.3	94.8	466.15	42.3	11.02

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[p]	January 1987[r]	February 1986[r]	From Last Month	From Last Year
TOTAL	655.0	650.8	629.3	4.2	[illegible]
MANUFACTURING	147.3	144.3	147.8	3.0	[illegible]
Durable Goods[c]	81.8	78.7	83.3	3.1	[illegible]
Fabricated metal products	17.6	17.3	17.4	.3	.2
Fabricated structural metal products	4.2	4.1	4.3	- .1	.1
Machinery, except electrical	20.0	19.8	21.0	.2	[illegible]
Metalworking machinery	8.3	8.2	[illegible]	.1	[illegible]
General industrial machinery	2.7	2.7	[illegible]	.0	[illegible]
Electric and electronic equipment	7.2	7.2	7.4	.0	.2
Transportation equipment	29.0	26.1	28.4	2.9	[illegible]
Motor vehicles and equipment	8.4	5.6	9.7	2.9	[illegible]
Nondurable Goods	65.5	65.6	64.5	.1	[illegible]
Food and kindred products	12.9	13.0	12.7	.1	.2
Beverages	3.7	3.8	3.9	.1	.2
Apparel and other textile products	3.4	3.4	3.3	.0	.1
Paper and allied products	6.5	6.5	6.5	.0	.0
Printing and publishing	13.1	12.8	12.8	.3	.3
Commercial printing	5.6	5.4	5.6	.2	.0
Chemicals and allied products	22.5	22.7	21.4	.2	[illegible]
Rubber and misc. plastics products	5.4	5.5	5.1	.1	.3
NONMANUFACTURING	507.7	506.5	481.5	1.2	[illegible]
CONSTRUCTION	24.2	25.0	21.6	.8	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	34.0	33.7	32.4	.3	[illegible]
Trucking and warehousing	9.1	8.9	8.8	.2	.3
Communication, electric, gas services	15.3	15.2	14.7	.1	.6
WHOLESALE TRADE	43.9	43.8	41.6	.1	[illegible]
Wholesale trade-durable goods	26.3	26.2	25.[illegible]	.1	[illegible]
RETAIL TRADE	122.6	124.4	118.[illegible]	- 1.8	[illegible]
General merchandise stores	16.5	18.[illegible]	17.9	- 1.7	.6
FINANCE, INSURANCE, AND REAL ESTATE	38.9	38.7	36.[illegible]	.2	[illegible]
Banking	8.2	8.2	[illegible]	.0	[illegible]
Insurance carriers	12.7	12.7	12.[illegible]	.0	.8
SERVICES	156.3	154.5	148.6	1.8	[illegible]
Hotels and other lodging places	6.1	6.0	[illegible]	.1	.4
Personal services	8.4	8.1	7.9	.3	.5
Business services	36.2	35.7	32.7	.5	[illegible]
Amusement and recreation services	5.9	5.8	5.2	.1	.7
Health services	50.4	50.1	47.9	.3	2.5
Hospitals	24.3	24.0	23.2	.3	[illegible]
GOVERNMENT	87.6	86.1	85.7	1.5	1.9
Federal government	14.5	13.9	14.4	[illegible]	.1
State government	19.4	19.1	19.6	.3	.2
State government education	11.5	11.2	12.0	.3	.5
State government, except education	8.0	8.0	7.6	.0	.4
Local government	53.6	53.1	51.7	.5	1.9
Local government education	32.3	31.7	30.5	.6	1.8
Local government, except education	21.3	21.4	21.2	- .1	.1

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[p]	January 1987[r]	February 1986[r]	Feb. 1987[p]	Jan. 1987[r]	Feb. 1986[r]	Feb. 1987[p]	Jan. 1987[r]	Feb. 1986[r]
MANUFACTURING	$456.15	$458.53	$449.21	42.3	42.3	41.3	$11.02	[illegible]	[illegible]
Durable Goods[d]	476.79	481.13	451.86	42.8	42.5	41.7	11.14	[illegible]	[illegible]
Fabricated metal products	384.67	407.46	356.41	41.5	42.8	38.7	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	395.79	410.18	362.07	40.1	41.9	37.7	[illegible]	[illegible]	[illegible]
Machinery, except electrical	422.30	418.46	415.18	42.4	40.7	41.6	[illegible]	[illegible]	[illegible]
Metalworking machinery	472.85	453.02	455.81	41.5	41.9	40.4	[illegible]	[illegible]	[illegible]
General industrial machinery	419.39	411.41	361.60	44.1	41.8	40.4	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	335.40	347.77	351.41	39.3	39.7	35.8	[illegible]	[illegible]	[illegible]
Transportation equipment	686.06	681.29	647.92	46.7	46.8	45.1	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	676.30	703.05	702.07	41.8	47.8	46.9	[illegible]	[illegible]	[illegible]
Nondurable Goods[e]	455.82	456.36	436.15	41.8	42.1	40.9	[illegible]	[illegible]	[illegible]
Food and kindred products	486.17	481.74	438.52	43.9	43.6	40.5	[illegible]	[illegible]	[illegible]
Beverages	543.56	544.36	487.63	41.8	43.9	40.4	12.40	[illegible]	[illegible]
Apparel and other textile products	213.19	219.28	203.13	37.8	37.7	36.4	5.64	[illegible]	[illegible]
Paper and allied products	424.37	409.53	401.88	40.2	41.2	41.6	[illegible]	[illegible]	[illegible]
Printing and publishing	473.28	460.40	429.32	40.8	40.0	39.1	[illegible]	[illegible]	[illegible]
Commercial printing	536.95	523.09	481.20	45.2	44.9	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	513.76	526.20	528.75	41.2	42.7	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	390.85	402.56	391.61	43.4	43.8	44.7	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	518.47	523.64	409.59	39.3	39.7	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	376.36	378.28	373.73	40.6	41.3	40.1	[illegible]	[illegible]	[illegible]
RETAIL TRADE[f]	159.61	159.61	155.75	28.3	28.4	28.4	5.64	5.62	5.47
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.38	261.17	247.25	....	....	....	.....	.....	.....

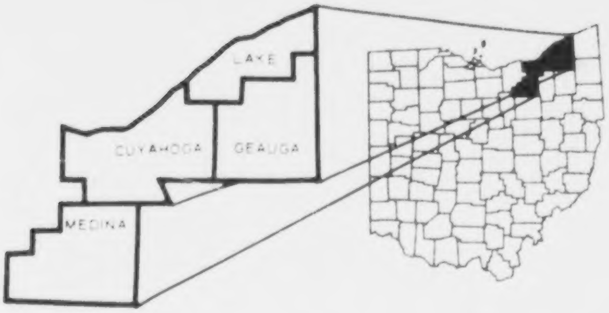
[a]See Technical Notes for concepts. [p]Preliminary. [r]Revised. [c]Based on unrounded figures. [d]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [e]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f]Includes mining. [g]Money payments only; tips not included. [h]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i]Decrease due to labor-management disputes.

Selected Administrative Program Activities[a]

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	3,534	7,803	3,875
Active File of Job Seekers	25,562	25,144	30,872
Referrals to Jobs	2,127	2,114	1,704
Placements	426	421	467
Job Openings Received	900	1,182	816
Job Openings Unfilled	1,482	1,539	1,437
Unemployment Insurance Program			
Initial Claims	5,862	10,512	5,242
Continued Claims	54,253	64,267	53,909
First Payments	4,015	3,910	3,051
Last Payments	715	626	630
Weeks Compensated	45,434	45,992	45,936
Benefits Paid	$6,569,897	$6,837,208	$6,547,562
Average Weekly Payment	$147.21	$151.77	$144.77

[a]Ohio data only

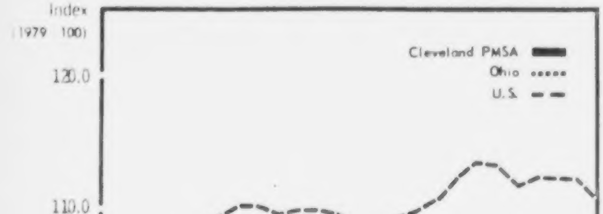
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



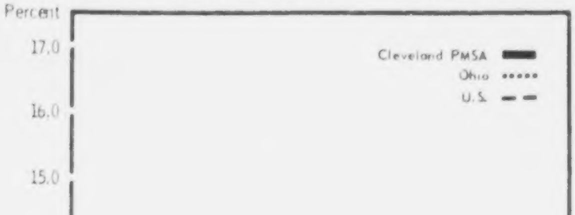
Nonfarm wage and salary employment in the Cleveland area declined 1,200 from the January level to 876,400 in February. Nonmanufacturing employment fell 1,000, to 672,600. Seasonal reductions in retail trade and construction overshadowed growth in local schools and services. Manufacturing employment, at 203,700, was just 200 lower due to scattered decreases in durable-goods industries. Factory production workers earned an average of $11.68 per hour, little changed from January. Their average workweek was .6 hours shorter, at 42.5 hours.

Nonagricultural wage and salary employment increased 19,400 since February 1986. Although nearly all nonmanufacturing industries recorded gains, major growth occurred in services, especially business and health services; retail trade; and finance, insurance, and real estate. Manufacturing employment decreased 1,800 during the period. Losses were registered in instruments and related products, electric and electronic equipment, and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

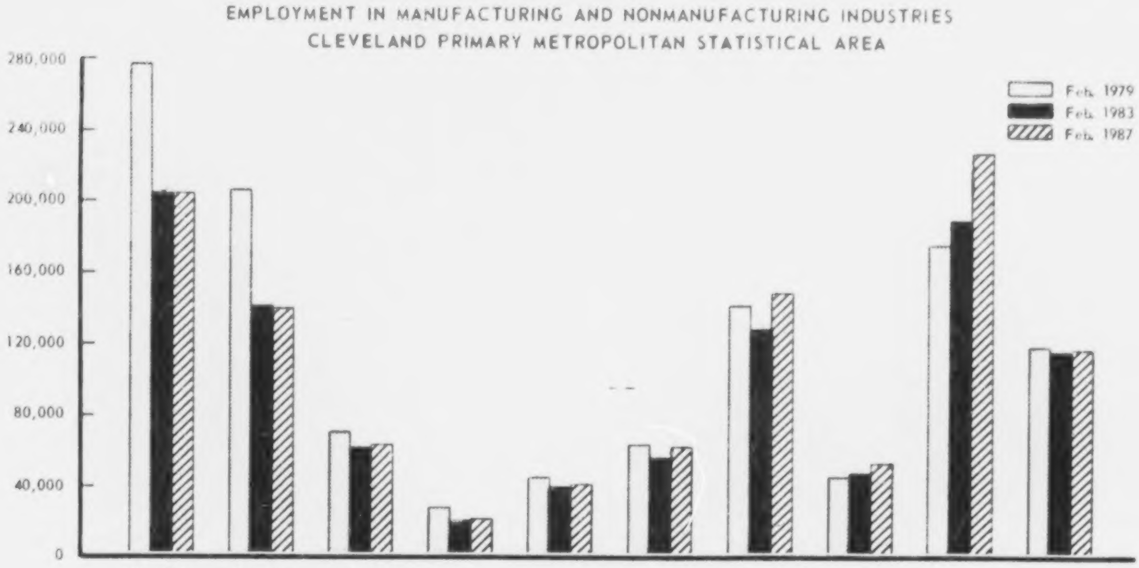


Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.52	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	225.0	141.8	402.90	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	215.8	137.5	456.12	42.0	10.86
922.1	845.5	76.6	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
915.0	839.3	75.7	8.3	January	854.3	206.8	133.7	474.01	41.8	11.34
930.3	855.3	75.0	8.1	February	857.0	205.5	132.5	477.24	41.9	11.39
932.5	866.1	66.5	7.1	March	860.7	205.6	132.7	487.60	42.4	11.50
929.7	862.1	67.6	7.3	April	874.0	206.3	133.3	479.76	41.9	11.45
919.8	857.4	62.4	6.8	May	880.6	206.1	133.2	472.69	41.5	11.39
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.7	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
918.9	850.2	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
INA	INA	INA	INA	February	876.4	203.7	130.4	496.40	42.5	11.68

INA - Information not available



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[a] (in thousands)	
	February 1987[p]	January 1987[r]	February 1986	From Last Month	From Last Year
TOTAL	878.4	875.6	857.3	[illegible]	[illegible]
MANUFACTURING	205.7	205.9	205.1	.4	[illegible]
Durable Goods	139.2	139.7	140.1	.3	[illegible]
Primary metal industries	21.2	21.3	21.4	[illegible]	[illegible]
Iron and steel foundries	5.6	5.4	5.7	[illegible]	[illegible]
Fabricated metal products	32.7	32.6	32.1	[illegible]	[illegible]
Fabricated structural metal products	3.9	3.7	3.6	[illegible]	[illegible]
Screw machine products, bolts, etc.	4.7	4.8	4.7	[illegible]	[illegible]
Metal forgings and stampings	11.5	11.7	11.1	[illegible]	[illegible]
Machinery, except electrical	35.3	35.4	31.5	[illegible]	[illegible]
Construction and related machinery	2.5	2.5	2.5	[illegible]	[illegible]
Metalworking machinery	9.9	10.0	11.2	[illegible]	[illegible]
Special industry machinery	3.5	3.5	3.6	[illegible]	[illegible]
General industrial machinery	2.9	2.8	3.0	[illegible]	[illegible]
Electric and electronic equipment	19.2	19.2	20.1	[illegible]	[illegible]
Electrical industrial apparatus	8.5	8.5	9.3	[illegible]	[illegible]
Transportation equipment	19.5	19.7	19.8	[illegible]	[illegible]
Motor vehicles and equipment	12.6	12.6	12.6	[illegible]	[illegible]
Instruments and related products	8.6	8.5	9.0	[illegible]	[illegible]
Measuring and controlling devices	6.1	6.2	[illegible]	[illegible]	[illegible]
Nondurable Goods	64.8	64.5	65.4	.1	[illegible]
Food and kindred products	6.7	6.7	6.8	[illegible]	[illegible]
Apparel and other textile products	4.3	4.3	4.5	.1	[illegible]
Paper and allied products	5.5	5.5	5.4	[illegible]	[illegible]
Printing and publishing	16.7	16.7	15.5	.0	[illegible]
Chemicals and allied products	14.7	14.8	14.3	[illegible]	.3
Rubber and misc. plastics products	11.9	11.8	11.8	[illegible]	.1
NONMANUFACTURING	672.5	673.7	651.4	1.2	21.1
CONSTRUCTION	21.9	22.6	22.0	.7	.1
TRANSPORTATION AND PUBLIC UTILITIES	41.2	41.1	40.4	.1	.8
Trucking and warehousing	11.6	11.5	11.0	.1	.6
Communication, electric, gas services	16.7	16.8	16.7	.0	[illegible]
WHOLESALE TRADE	61.7	61.5	61.8	.2	.1
Wholesale trade, durable goods	42.8	42.8	43.1	.0	.3
RETAIL TRADE	149.4	151.7	147.3	[illegible]	2.1
General merchandise stores	20.2	21.1	19.8	[illegible]	.4
FINANCE, INSURANCE, AND REAL ESTATE	53.3	53.1	50.3	.2	3.0
Banking	13.2	13.2	12.8	.0	.4
Credit agencies other than banks	9.0	8.9	8.0	.1	.9
Insurance carriers	12.9	12.8	12.1	.1	.8
SERVICES	227.1	226.6	215.1	.5	12.0
Business services	51.0	50.8	47.2	.2	3.8
Amusement and recreation services	5.9	6.0	6.1	.1	.2
Health services	73.4	73.4	69.3	.0	4.1
Hospitals	42.4	42.4	38.8	.0	3.6
GOVERNMENT	117.2	116.1	116.7	1.1	.5
Federal government	20.1	20.1	19.9	.0	.2
State government	8.5	8.4	8.2	.1	.3
State government education	3.2	3.1	3.1	.1	.1
State government, except education	5.3	5.3	4.9	.0	[illegible]
Local government	88.6	87.7	87.8	1.0	[illegible]
Local government education	43.5	42.4	43.3	1.1	.2
Local government, except education	45.2	45.3	44.6	[illegible]	.6

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

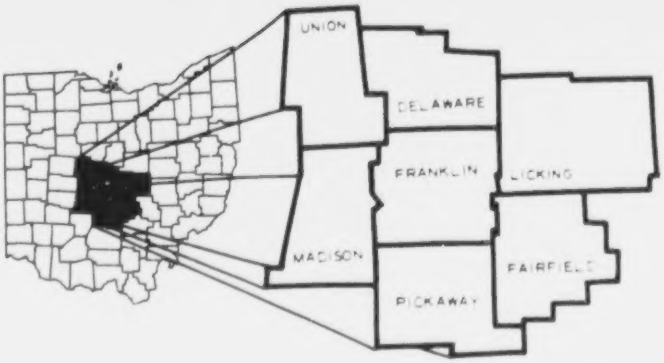
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[p]	January 1987[r]	February 1986[r]	Feb. 1987[p]	Jan. 1987[r]	Feb. 1986[r]	Feb. 1987[p]	Jan. 1987[r]	Feb. 1986[r]
MANUFACTURING	$[illegible]	$[illegible]	$[illegible]	[illegible]	[illegible]	[illegible]	$[illegible]	$[illegible]	$[illegible]
Durable Goods[d]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Primary metal industries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iron and steel foundries	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fabricated structural metal products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Screw machine products, bolts, etc.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metal forgings and stampings	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Machinery, except electrical	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Construction and related machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Metalworking machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Special industry machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
General industrial machinery	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electric and electronic equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Electrical industrial apparatus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Transportation equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor vehicles and equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Instruments and related products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Measuring and controlling devices	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nondurable Goods[e]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Food and kindred products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apparel and other textile products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Paper and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Printing and publishing	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Chemicals and allied products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Rubber and misc. plastics products	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
WHOLESALE TRADE	[illegible]	[illegible]	[illegible]	39.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
RETAIL TRADE[f]	[illegible]	[illegible]	[illegible]	27.4	[illegible]	27.6	[illegible]	[illegible]	[illegible]
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	[illegible]	[illegible]	[illegible]	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[a]See Technical Notes for concepts. [p]Preliminary. [r]Revised. [c]Based on unrounded figures. [d]Includes lumber and wood products, stone, clay and glass products, miscellaneous manufacturing. [e]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [f]Includes mining. [g]Money payments only, tips not included. [h]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	7,812	[illegible]	[illegible]
Active File of Job Seekers	90,798	[illegible]	[illegible]
Referrals to Jobs	[illegible]	[illegible]	[illegible]
Placements	334	[illegible]	[illegible]
Job Openings Received	877	[illegible]	[illegible]
Job Openings Unfilled	[illegible]	[illegible]	[illegible]
Unemployment Insurance Program			
Initial Claims	7,959	[illegible]	[illegible]
Continued Claims	[illegible]	[illegible]	[illegible]
First Payments	5,195	6,919	[illegible]
Last Payments	[illegible]	[illegible]	[illegible]
Weeks Compensated	[illegible]	[illegible]	[illegible]
Benefits Paid	$11,115,077	$11,746,778	[illegible]
Average Weekly Payment	$153.88	[illegible]	[illegible]

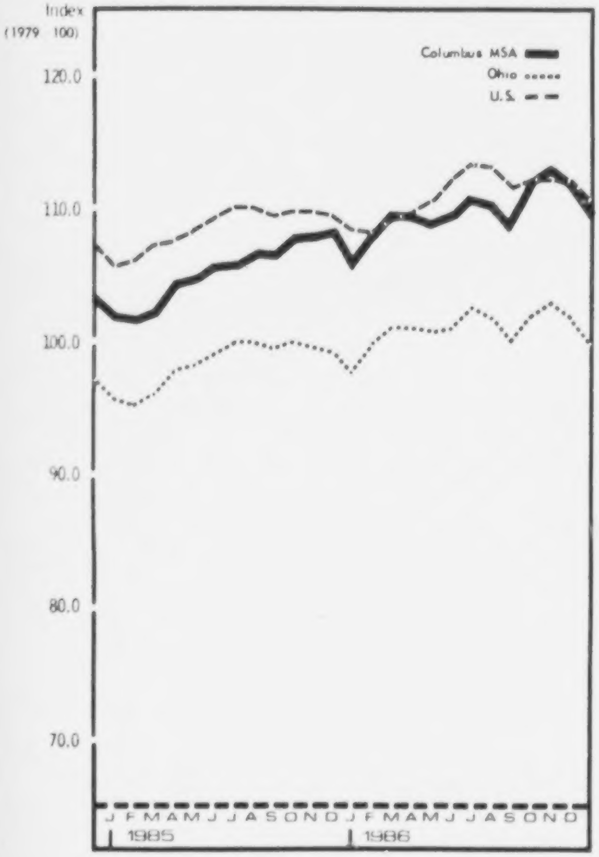
COLUMBUS
METROPOLITAN STATISTICAL AREA



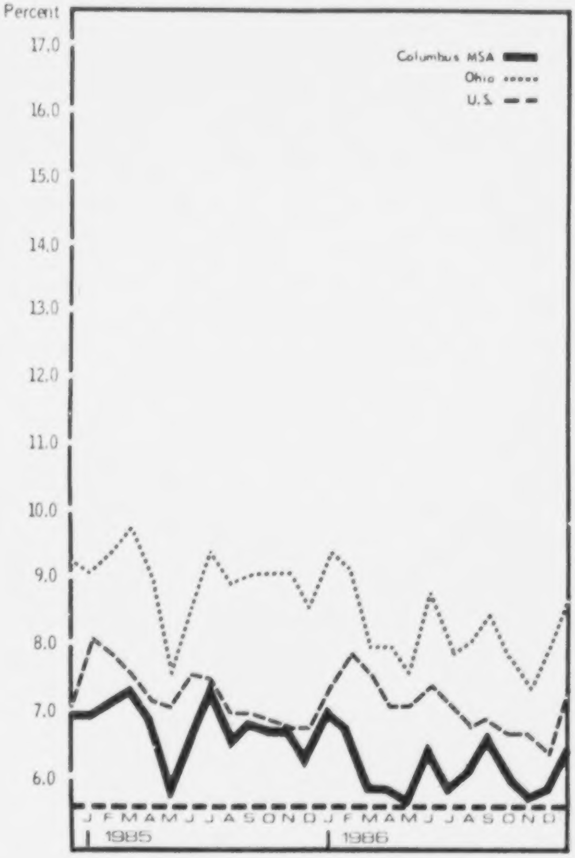
Nonfarm wage and salary employment in the Columbus area rose 600 from January, to 638,500. Nonmanufacturing employment increased 1,500, with growth in services, transportation and public utilities, and seasonal returns of nonfaculty school personnel more than offsetting seasonal declines in retail trade and construction. Manufacturing was down 900, due to scattered losses in durable goods. Production workers in manufacturing worked an average of 40.8 hours per week, down .4 hours. Their average hourly earnings were $11.36, down $.10.

Since February 1986, nonfarm employment rose 28,700. Although all nonmanufacturing industries recorded gains, significant growth was noted in services, retail trade, government, and finance, insurance, and real estate. Manufacturing was down 1,400 with losses in fabricated metal products, nonelectrical machinery, electric and electronic equipment, and stone, clay, and glass products.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.4	$426.09	40.5	$10.52
650.4	606.7	43.7	6.7	1985	603.6	106.1	70.8	442.39	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
656.8	610.6	46.2	7.0	January	602.4	106.0	70.7	451.95	40.9	11.05
668.5	624.0	44.5	6.7	February	610.0	105.9	69.8	453.46	41.0	11.06
672.5	633.2	39.2	5.8	March	613.9	106.2	70.9	460.50	41.3	11.15
671.3	632.2	39.1	5.8	April	624.3	106.6	71.3	462.44	41.4	11.17
667.4	629.7	37.7	5.6	May	630.2	106.3	70.9	461.44	41.2	11.20
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	630.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.84	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
676.2	633.2	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
INA	INA	INA	INA	February	638.5	104.2	69.0	463.49	40.8	11.36

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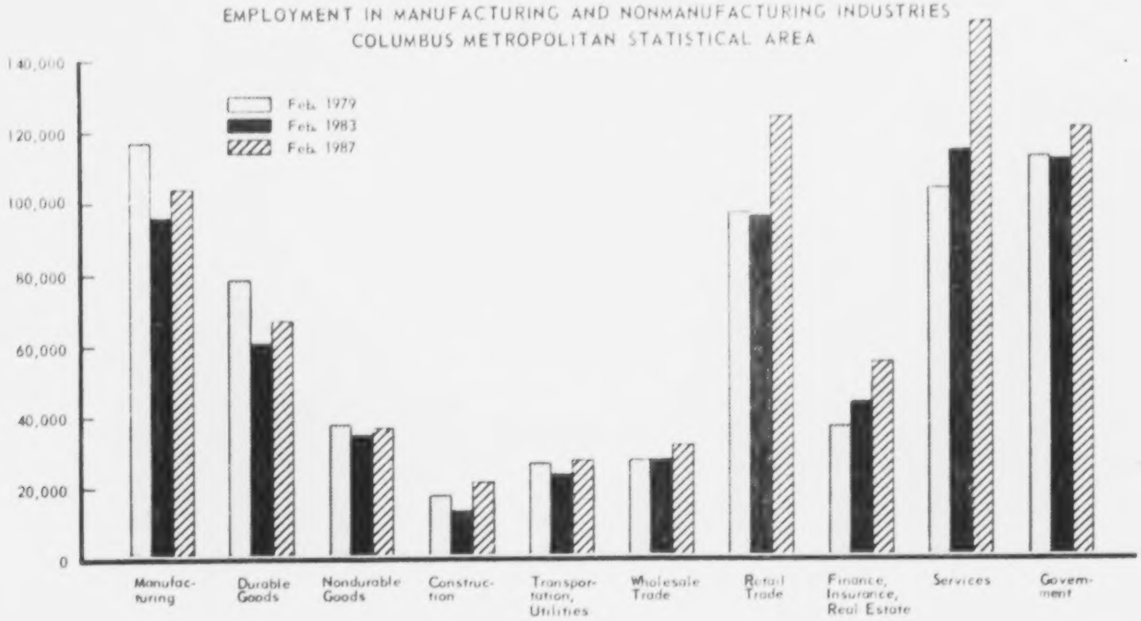
EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	638.5	637.9	610.0	.6	28.5
MANUFACTURING	104.2	105.1	105.9	- .9	- 1.7
Durable Goods	67.3	68.4	69.8	- 1.1	- 2.5
Stone, clay, and glass products	11.0	11.1	11.4	.0	- .4
Glass and glassware, pressed or blown	4.5	4.5	4.5	.1	.1
Fabricated metal products	9.4	9.5	10.6	- .1	- 1.2
Fabricated structural metal products	2.8	2.8	3.1	.0	- .3
Machinery, except electrical	9.3	9.4	9.7	- .1	- .4
Electric and electronic equipment	10.9	11.2	11.5	- .3	- .6
Transportation equipment	15.5	16.0	15.5	- .4	.0
Instruments and related products	4.0	4.0	4.3	.0	.3
Nondurable Goods	36.9	36.7	36.1	.2	.8
Food and kindred products	10.1	10.0	9.7	.1	.4
Printing and publishing	9.8	9.7	9.5	.1	.3
Chemicals and allied products	7.0	7.1	7.0	.0	.1
Rubber and misc. plastics products	5.5	5.5	5.4	.0	.1
NONMANUFACTURING	534.3	532.8	504.2	1.5	30.1
CONSTRUCTION	22.3	22.8	19.9	- .5	2.4
TRANSPORTATION AND PUBLIC UTILITIES	27.5	26.8	25.1	.7	2.5
Trucking and warehousing	10.9	10.8	9.8	.1	1.1
Communication, electric, gas services	12.1	12.1	11.4	.0	.7
WHOLESALE TRADE	32.4	32.2	31.4	.2	1.0
Wholesale trade-durable goods	21.3	21.1	20.5	.2	.8
RETAIL TRADE	124.2	125.1	119.3	- .9	4.9
General merchandise stores	17.6	18.2	16.8	- .6	.8
FINANCE, INSURANCE, AND REAL ESTATE	55.1	54.8	51.6	.3	3.5
Banking	11.7	11.8	11.2	- .1	.5
Insurance carriers	21.1	21.0	20.6	.1	.5
SERVICES	150.5	149.5	138.5	1.0	12.0
Business services	33.5	33.6	29.3	- .1	4.2
Health services	39.3	39.0	37.2	.3	2.1
Hospitals	17.1	16.9	16.3	.2	.8
GOVERNMENT	121.2	120.5	117.3	.7	3.9
Federal government	15.5	15.4	15.5	.1	.0
State government	54.1	53.6	51.5	.5	2.6
State government education	23.6	23.4	22.7	.2	.9
State government, except education	30.5	30.3	28.8	.3	1.7
Local government	51.6	51.5	50.3	.1	1.3
Local government education	31.2	31.1	30.1	.1	1.0
Local government, except education	20.4	20.4	20.2	.0	.2

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MANUFACTURING	$463.49	$472.15	$453.46	40.8	41.2	41.0	$11.36	$11.46	$11.06
Durable Goods[e]	474.10	482.45	464.71	40.8	41.2	40.8	11.62	11.71	11.39
Stone clay and glass products	447.76	454.73	452.15	38.5	38.7	39.5	11.63	11.75	11.7[illegible]
Glass and glassware pressed or blown	420.04	419.27	438.26	38.5	38.5	39.2	10.91	10.89	11.18
Fabricated metal products	490.05	496.11	489.60	40.4	41.2	40.0	12.13	12.05	12.24
Fabricated structural metal products	431.43	450.50	389.22	39.4	42.3	39.0	10.95	10.65	9.98
Machinery except electrical	451.52	458.58	399.68	41.5	42.5	39.3	10.88	10.79	10.17
Electric and electronic equipment	435.76	451.27	453.91	39.4	40.4	40.6	11.06	11.17	11.18
Transportation equipment	562.44	578.52	546.12	43.0	43.4	43.9	13.08	13.33	12.44
Instruments and related products	424.56	427.98	372.39	41.3	42.0	39.7	10.28	10.19	9.38
Nondurable Goods[f]	441.46	448.13	427.87	40.8	41.0	41.5	10.82	10.93	10.31
Food and kindred products	428.33	438.78	409.59	40.6	41.2	41.0	10.55	10.65	9.99
Printing and publishing	500.52	510.90	485.41	38.8	39.3	39.4	12.90	13.00	12.32
Chemicals and allied products	541.03	551.68	512.32	42.5	43.1	42.8	12.73	12.80	11.97
Rubber and misc. plastics products	350.28	338.55	353.16	42.0	40.4	43.6	8.34	8.38	8.10
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.59	546.35	525.76	40.4	40.5	39.8	13.48	13.49	13.21
WHOLESALE TRADE	342.47	345.98	310.95	37.8	38.4	38.2	9.06	9.01	8.14
RETAIL TRADE[h]	165.48	164.95	167.60	28.0	28.1	28.6	5.91	5.87	5.86
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	258.31	249.72	238.25	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	321.71	321.71	306.00	33.9	33.9	33.7	9.49	9.49	9.08

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

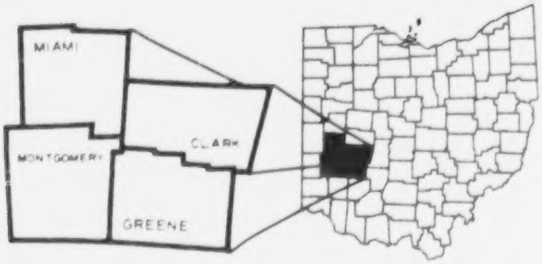
Selected Administrative Program Activities

	February 1987	January 1987	February 1986
EMPLOYMENT SERVICE PROGRAM			
New Applicants	5,639	7,909*	4,839
Active File of Job Seekers	40,238	38,242*	44,268
Referrals to Jobs	2,314	2,409	2,068
Placements	514	421	687
Job Openings Received	1,295	1,556	1,451
Job Openings Unfilled	4,469	4,364	6,014
Unemployment Insurance Program			
Initial Claims	5,536	8,729	5,362
Continued Claims	53,364	56,798	55,333
First Payments	3,885	4,271	3,311
Last Payments	533	655	694
Weeks Compensated	45,784	46,682	48,406
Benefits Paid	$6,864,213	$6,934,649	$7,029,086
Average Weekly Payment	$152.83	$152.05	$147.71

*Revised.

DAYTON - SPRINGFIELD

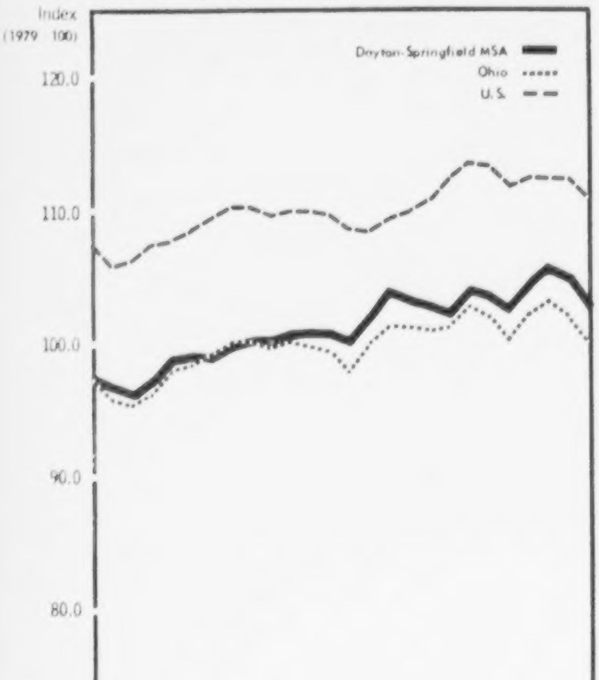
METROPOLITAN STATISTICAL AREA



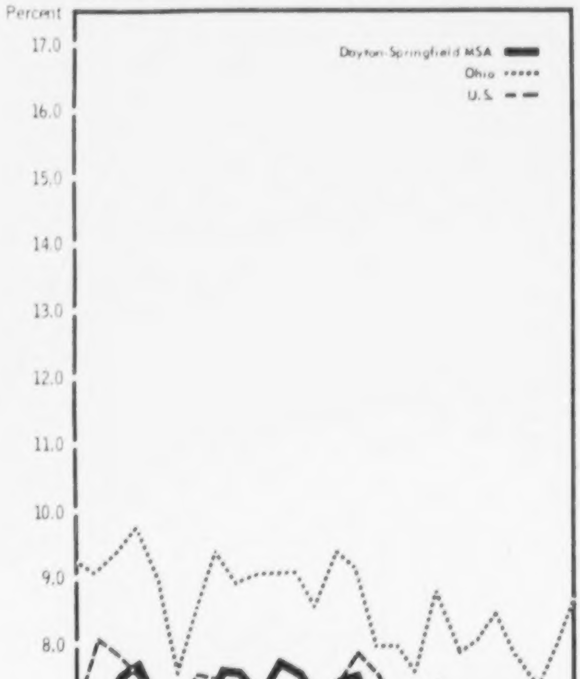
Dayton-Springfield metropolitan area nonagricultural wage and salary employment in February 1987 was 423,400, a slight decrease of 500 from the previous month. Employment in nonmanufacturing was up 200 over the month, to 318,300. The largest increase occurred in services, while employment in retail trade and construction dropped seasonally. Manufacturing employment dipped 800, to 105,000 in February, with declines in durable goods, especially nonelectrical machinery and transportation equipment. Production workers in manufacturing earned $11.97 an hour, up $.06 from January. Their average workweek remained unchanged at 42.0 hours.

From February 1986 to February 1987, Dayton-Springfield nonagricultural wage and salary employment rose 13,300. All nonmanufacturing divisions were up, with services, retail trade, and construction having the largest increases. Manufacturing employment remained unchanged over the year.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



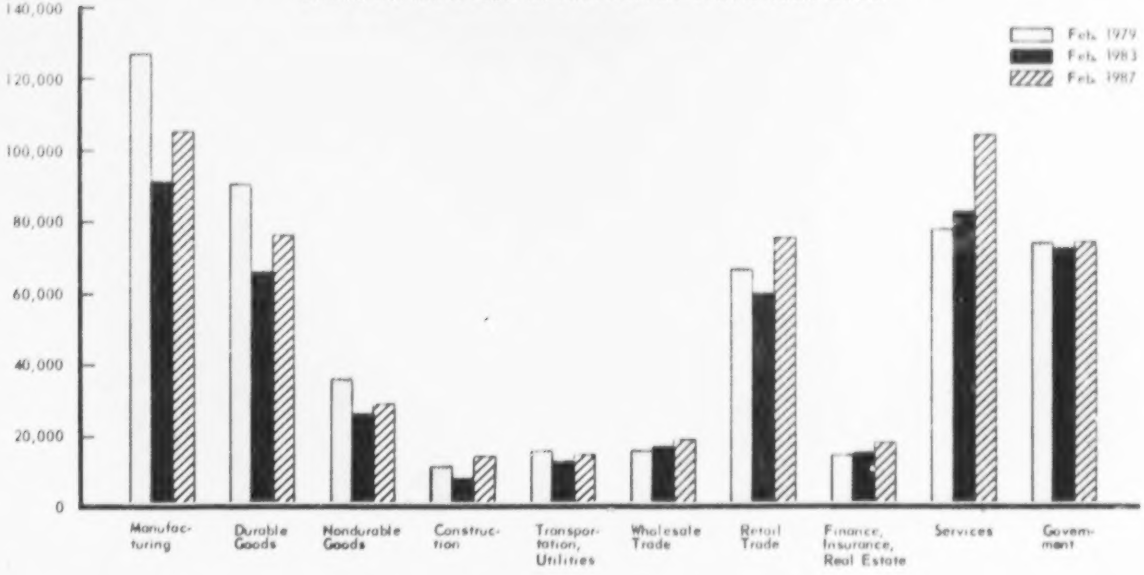
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.7	8.0	1984	392.7	103.7	67.7	$480.90	42.9	$11.21
447.9	415.6	32.3	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
451.7	418.4	33.3	7.4	January	409.9	106.3	68.2	534.45	43.7	12.23
461.9	427.3	34.6	7.5	February	410.1	106.1	67.9	532.61	43.8	12.16
463.7	434.1	29.6	6.4	March	413.0	105.5	68.1	526.44	43.4	12.13
460.3	431.5	28.9	6.3	April	418.3	105.3	68.1	510.85	42.5	12.02
455.4	428.8	26.6	5.8	May	421.1	106.2	68.5	515.31	42.8	12.04
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.06
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.0	429.1	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
INA	INA	INA	INA	February	423.4	105.0	67.0	502.74	42.0	11.97

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton - Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	423.4	423.9	410.1	.5	13.3
MANUFACTURING	105.0	105.8	105.1	.8	.1
Durable Goods[e]	75.9	76.6	75.7	.7	.2
Fabricated metal products	8.3	8.3	8.2	.1	.1
Machinery, except electrical	30.6	31.1	32.0	.5	1.4
Metalworking machinery	6.7	6.7	7.0	.0	.3
General industrial machinery	2.1	2.5	2.6	.4	.5
Electric and electronic equipment	6.1	6.2	5.2	.1	.9
Electrical industrial apparatus	3.6	3.5	2.9	.1	.7
Transportation equipment	21.8	22.0	21.4	.2	.4
Nondurable Goods[f]	29.1	29.2	29.4	.1	.3
Food and kindred products	2.9	2.9	2.7	.0	.2
Paper and allied products	5.8	5.8	5.8	.0	.0
Printing and publishing	6.6	6.6	6.5	.0	.1
Rubber and misc. plastics products	8.0	8.1	8.7	.1	.7
NONMANUFACTURING	318.3	318.1	305.0	.2	13.4
CONSTRUCTION	14.0	14.6	11.6	.6	2.4
TRANSPORTATION AND PUBLIC UTILITIES	14.7	14.7	14.2	.1	.5
Communication, electric, gas services	5.9	5.9	5.9	.0	.0
WHOLESALE TRADE	18.8	18.9	18.7	.2	.1
Wholesale trade-durable goods	12.9	13.0	12.7	.1	.2
RETAIL TRADE	75.2	76.2	71.3	1.0	3.9
General merchandise stores	11.2	11.7	11.4	.5	.2
FINANCE, INSURANCE, AND REAL ESTATE	17.6	17.6	16.8	.0	.8
Banking	4.3	4.3	4.2	.0	.1
Credit agencies other than banks	4.6	4.6	4.3	.0	.3
Insurance carriers	2.8	2.8	2.9	.0	.1
SERVICES	103.6	102.5	98.1	1.1	5.5
Business services	25.2	24.8	22.4	.4	2.8
Health services	34.8	34.7	34.1	.1	.7
Hospitals	18.2	18.1	18.0	.1	.2
Educational services	7.2	6.9	7.9	.3	.7
GOVERNMENT	74.1	73.2	74.0	.8	.1
Federal government	27.5	27.5	28.0	.1	.4
State government	7.2	6.9	6.8	.3	.4
State government education	4.4	4.1	4.2	.3	.2
State government, except education	2.8	2.8	2.6	.0	.2
Local government	39.4	38.9	39.2	.5	.2
Local government education	25.1	24.6	25.1	.5	.1
Local government, except education	14.3	14.3	14.2	.0	.1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

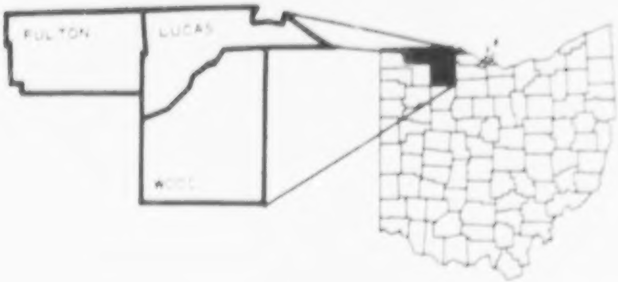
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MANUFACTURING	$502.74	$500.22	$532.61	42.0	42.0	43.8	$11.97	$11.91	$12.16
Durable Goods[e]	513.20	507.41	550.65	42.1	41.9	44.3	12.19	12.11	12.43
Fabricated metal products	376.93	374.40	375.06	40.4	40.0	41.4	9.33	9.36	9.06
Machinery, except electrical	543.13	544.00	568.58	42.3	42.5	44.7	12.84	12.80	12.72
Metalworking machinery	506.22	516.86	528.96	42.5	43.4	45.6	11.91	11.91	11.60
General industrial machinery	394.75	391.58	406.61	38.4	39.0	40.1	10.28	10.04	10.14
Electric and electronic equipment	414.09	409.28	386.23	43.0	43.4	41.8	9.63	9.43	9.24
Electrical industrial apparatus	492.58	483.57	447.05	45.4	44.9	43.7	10.85	10.77	10.23
Transportation equipment	616.50	601.27	692.48	42.4	41.9	46.5	14.54	14.35	14.89
Nondurable Goods[f]	475.86	477.41	481.66	42.0	42.1	42.4	11.33	11.34	11.36
Food and kindred products	360.39	356.81	390.70	42.7	43.1	44.6	8.44	8.28	8.76
Paper and allied products	532.77	505.04	463.08	48.9	47.2	45.4	10.90	10.70	10.20
Printing and publishing	426.66	412.58	432.95	39.0	38.2	40.3	10.94	10.80	10.74
Rubber and misc. plastics products	570.44	577.74	607.74	40.7	40.8	42.0	14.02	14.16	14.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	515.09	514.04	516.78	39.2	39.3	39.6	13.14	13.08	13.05
WHOLESALE TRADE	398.59	396.80	380.70	40.1	40.0	40.5	9.94	9.92	9.40
RETAIL TRADE[h]	155.38	153.14	154.08	27.5	27.2	28.8	5.65	5.63	5.35
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	363.63	361.89	331.34	34.5	34.4	33.2	10.54	10.52	9.98

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	2,855	2,978	3,241
Active File of Job Seekers	25,685	26,114	32,825
Referrals to Jobs	1,312	1,179	1,247
Placements	304	200	229
Job Openings Received	723	1,000	540
Job Openings Unfilled	1,518	1,432	892
Unemployment Insurance Program			
Initial Claims	3,238	5,374	2,889
Continued Claims	34,746	37,529	39,000
First Payments	2,722	2,418	2,596
Last Payments	364	472	381
Weeks Compensated	31,081	30,687	36,001
Benefits Paid	$4,403,600	$4,254,846	$5,107,405
Average Weekly Payment	$144.19	$141.72	$143.93

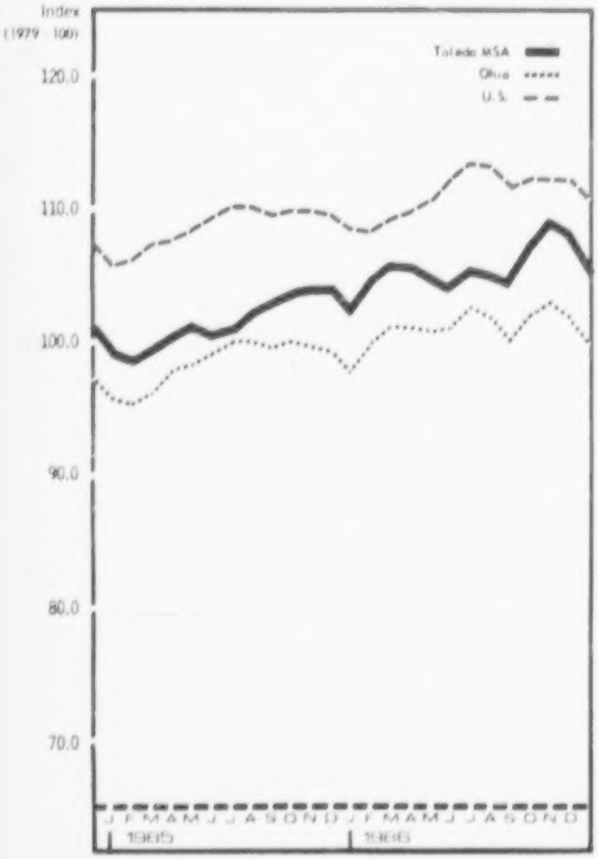
TOLEDO
METROPOLITAN STATISTICAL AREA



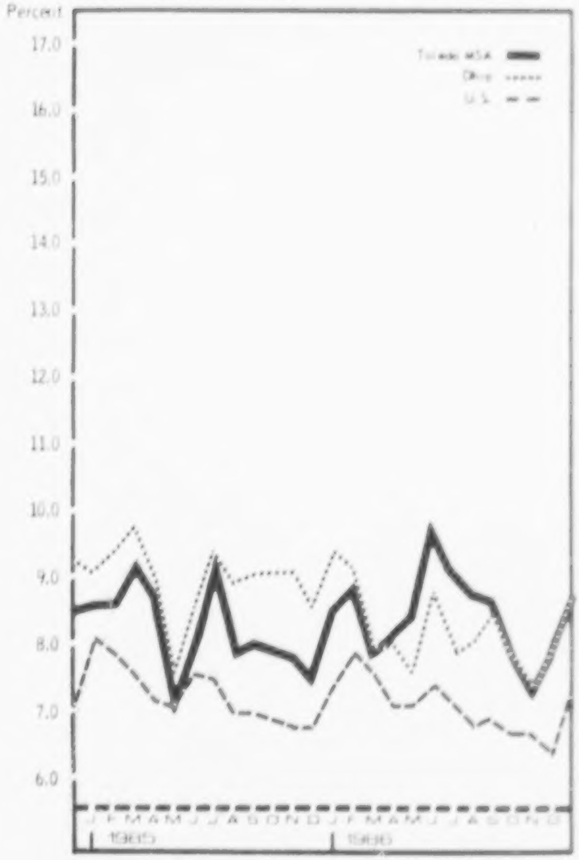
Nonagricultural wage and salary employment in the Toledo metropolitan area increased by 400 from last month, to a February level of 276,900. Nonmanufacturing employment increased by 700, to 214,200. Seasonal declines in retail trade and construction were more than offset by rising employment in services and the return of nonteaching personnel in state government education. Manufacturing employment declined slightly, to 62,700. Production workers in manufacturing worked an average of 43.1 hours per week, down .4 hours from January. They earned $12.69 an hour, a loss of $.06 from last month.

Between February 1986 and February 1987, Toledo nonagricultural wage and salary employment rose 11,300. This improvement occurred in the nonmanufacturing sector, with services, especially health services, showing the largest gains. Manufacturing employment declined by 1,100 over the year. Losses in transportation equipment and stone, clay, and glass products overshadowed gains in other durable- and nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



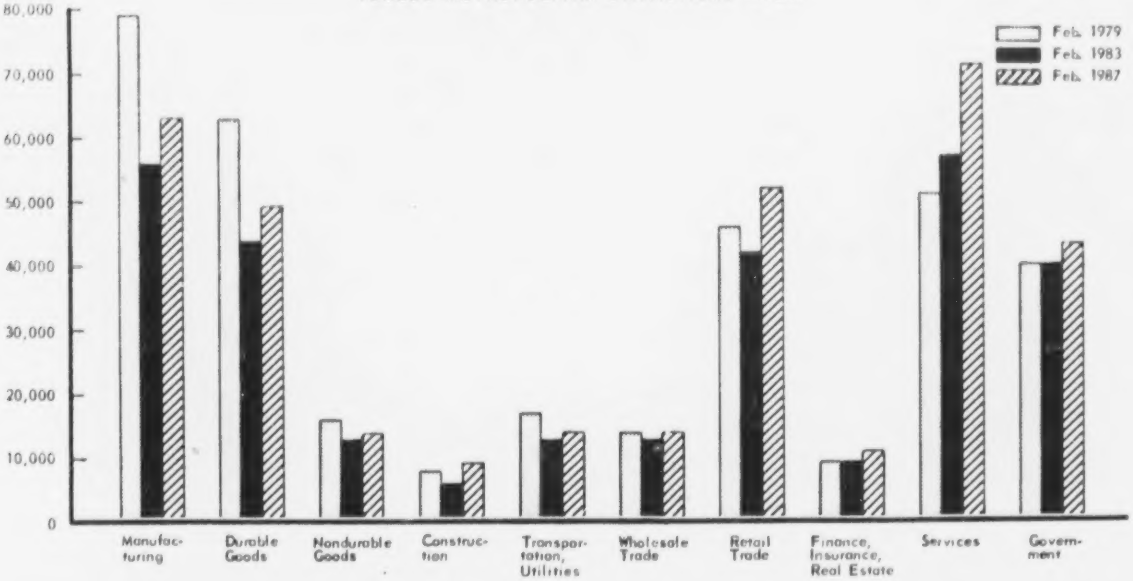
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
295.5	271.3	24.2	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
298.6	273.2	25.4	8.5	January	265.8	65.2	46.1	532.39	42.9	12.41
307.1	280.0	27.1	8.8	February	265.7	63.8	44.5	536.68	42.9	12.51
306.5	282.7	23.8	7.8	March	266.3	62.9	43.5	529.91	42.7	12.41
306.8	281.9	24.9	8.1	April	271.2	63.7	44.2	516.23	41.8	12.35
306.0	280.1	25.9	8.4	May	273.1	62.8	43.5	524.55	42.2	12.43
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.52
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
307.9	281.2	26.7	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
INA	INA	INA	INA	February	276.9	62.7	44.2	546.94	43.1	12.69

INA–Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	276.9	276.6	265.7	.4	11.3
MANUFACTURING	62.7	63.0	63.8	- .3	- 1.1
Durable Goods'	48.8	49.0	50.2	- .1	- 1.4
Stone, clay, and glass products	8.0	8.1	8.6	- .1	- .6
Primary metal industries	3.4	3.4	3.4	.0	.0
Fabricated metal products	7.4	7.4	7.5	- .1	- .1
Metal forgings and stampings	3.2	3.3	3.3	- .1	.0
Machinery, except electrical	6.1	6.1	5.9	.0	.2
Electric and electronic equipment	3.0	3.0	2.0[j]	.0	.9
Transportation equipment	16.5	16.6	18.6	.0	- 2.1
Motor vehicles and equipment	15.6	15.6	17.6	.0	- 2.0
Nondurable Goods'	13.9	14.1	13.6	- .2	.3
Food and kindred products	3.4	3.6	3.3	- .2	.2
Rubber and misc. plastics products	3.3	3.2	3.0	.1	.3
NONMANUFACTURING	214.2	213.5	201.8	.7	12.4
CONSTRUCTION	8.7	9.0	7.6	- .3	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.3	14.2	13.5	.1	.8
Trucking and warehousing	5.6	5.5	5.3	.1	.3
Communication, electric, gas services	5.1	5.1	4.9	.0	.3
WHOLESALE TRADE	14.2	14.2	14.2	- .1	.0
Wholesale trade-durable goods	9.4	9.4	9.6	.0	- .2
RETAIL TRADE	51.8	52.8	50.0	- .9	1.8
General merchandise stores	6.7	7.1	7.0	- .4	- .3
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.3	10.6	.1	.8
Banking	3.6	3.5	3.5	.0	.2
SERVICES	70.7	70.3	63.7	.4	7.0
Business services	13.3	13.1	12.1	.1	1.2
Health services	28.8	28.8	25.0	.0	3.7
Hospitals	15.2	15.2	14.4	.0	.8
GOVERNMENT	43.1	41.7	42.1	1.4	1.0
State government	16.4	15.2	15.9	1.2	.6
State government education	12.4	11.2	12.0	1.2	.4
State government, except education	4.0	4.0	3.8	.0	.2
Local government	24.1	23.8	23.7	.2	.4
Local government education	14.2	13.9	13.6	.3	.5
Local government, except education	9.9	10.0	10.0	- .1	- .1

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

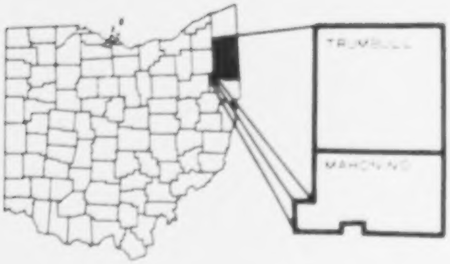
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MANUFACTURING	$546.94	$554.63	$536.68	43.1	43.5	42.9	$12.69	$12.75	$12.51
Durable Goods[e]	567.66	584.33	559.44	43.3	44.1	43.1	13.11	13.25	12.98
Stone, clay, and glass products	528.78	532.98	572.32	42.0	42.3	44.4	12.59	12.60	12.89
Primary metal industries	525.32	521.21	509.82	46.0	45.6	44.8	11.42	11.43	11.38
Fabricated metal products	554.40	558.30	505.74	44.0	44.7	43.3	12.60	12.49	11.68
Metal forgings and stampings	697.14	680.09	594.58	47.2	47.0	43.4	14.77	14.47	13.70
Machinery, except electrical	487.06	490.45	463.10	42.8	42.5	42.1	11.38	11.54	11.00
Electric and electronic equipment	542.71	548.49	459.26	42.3	43.6	38.4	12.83	12.58	11.96
Transportation equipment	664.45	701.31	645.15	43.8	45.1	42.5	15.17	15.55	15.18
Motor vehicles and equipment	667.07	704.01	646.18	43.8	45.1	42.4	15.23	15.61	15.24
Nondurable Goods[f]	468.15	451.78	452.38	42.1	41.6	42.2	11.12	10.86	10.72
Food and kindred products	608.68	549.05	547.20	45.8	44.1	45.6	13.29	12.45	12.00
Rubber and misc. plastics products	317.19	328.46	331.25	39.5	40.5	40.2	8.03	8.11	8.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	575.81	577.62	565.04	41.1	41.2	41.7	14.01	14.02	13.55
WHOLESALE TRADE	345.03	345.58	338.31	37.1	37.4	37.3	9.30	9.24	9.07
RETAIL TRADE[h]	159.00	153.73	151.29	28.7	27.9	28.6	5.54	5.51	5.29

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	2,323	2,446	2,250
Active File of Job Seekers	22,275	23,403	26,821
Referrals to Jobs	788	701	978
Placements	180	113	213
Job Openings Received	372	258	476
Job Openings Unfilled	717	661	625
Unemployment Insurance Program			
Initial Claims	4,497	6,442	5,873
Continued Claims	32,382	33,460	35,159
First Payments	2,301	2,356	2,663
Last Payments	393	455	330
Weeks Compensated	27,520	28,480	27,478
Benefits Paid	$4,051,210	$4,173,521	$4,092,204
Average Weekly Payment	$150.61	$150.08	$151.78

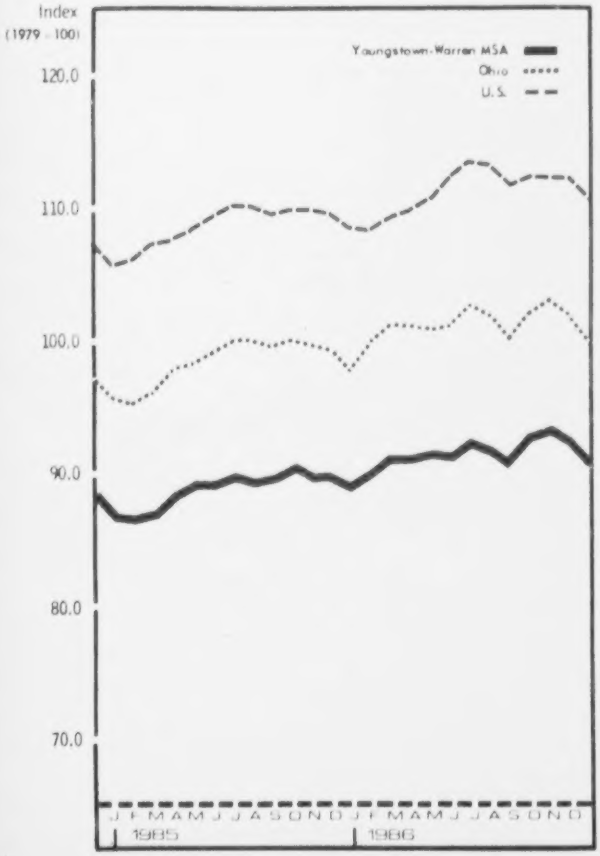
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



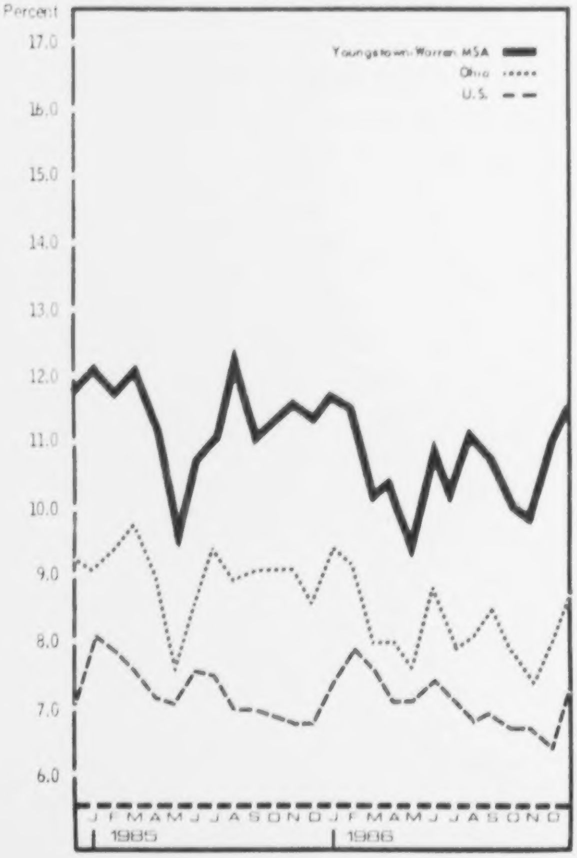
Nonagricultural wage and salary employment in the Youngstown-Warren metropolitan area declined by 600, to 187,300 in February. Nonmanufacturing employment decreased 400 as seasonal reductions in retail trade and construction outweighed returns of nonteaching school personnel. Manufacturing employment dropped slightly, to 50,900, due primarily to losses in fabricated metal products and transportation equipment. Production workers averaged a 42.3 hour workweek, down .5 hours from January. Their average hourly earnings were $13.36, down $.13.

Nonfarm employment increased 4,700 since February 1986, due mainly to growth in services, retail trade, government, and construction. Manufacturing employment decreased 900 during the period. Notable losses occurred in fabricated metal products, nonelectrical machinery, and primary metal industries.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



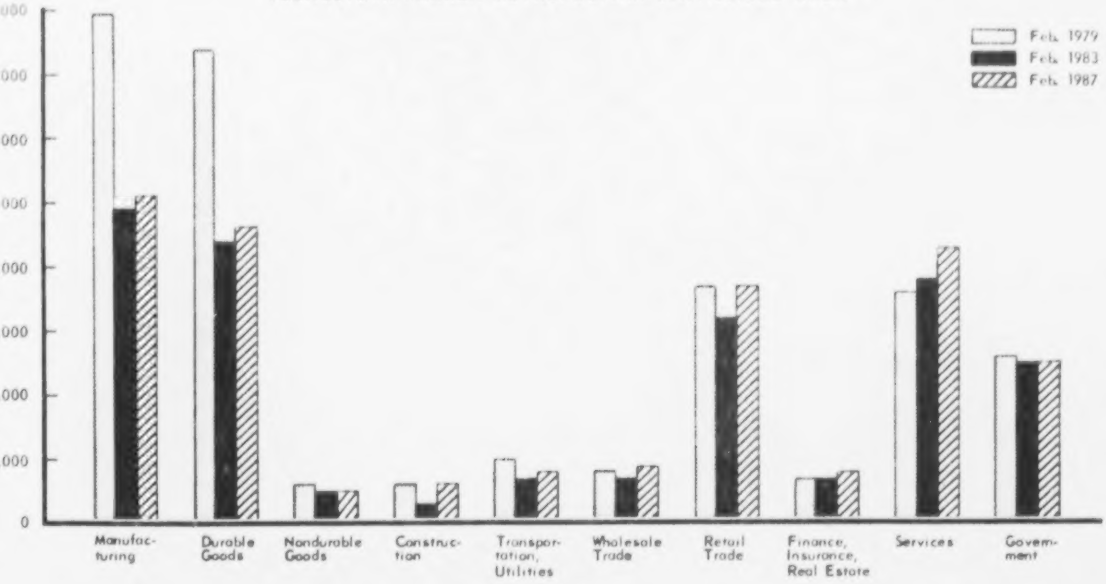
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.8	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.0	555.97	43.3	12.84
220.1	195.2	24.9	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
221.2	195.2	26.0	11.7	January	183.6	52.6	39.3	574.01	42.3	13.57
224.0	198.2	25.8	11.5	February	182.6	51.8	38.6	570.12	42.2	13.51
223.2	200.6	22.6	10.1	March	183.4	51.7	38.5	549.61	41.2	13.34
224.0	200.6	23.4	10.4	April	186.7	51.7	38.5	542.93	41.1	13.21
221.9	201.3	20.6	9.3	May	189.8	52.2	39.0	533.79	40.5	13.18
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	190.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
225.2	199.3	26.0	11.5	January	187.9	51.1	38.4	577.37	42.8	13.49
INA	INA	INA	INA	February	187.3	50.9	38.2	566.13	42.3	13.38

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown - Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	February 1987[b]	January 1987[c]	February 1986[c]	From Last Month	From Last Year
TOTAL	187.3	187.9	182.6	- .5	4.7
MANUFACTURING	50.9	51.1	51.8	- .2	- .9
Durable Goods	45.7	45.8	46.6	- .2	- 1.0
Primary metal industries	19.5	19.2	19.9	.3	- .3
Blast furnace and basic steel products	6.6	6.6	6.4	.0	.2
Fabricated metal products	7.2	7.6	7.8	- .3	- .6
Machinery, except electrical	3.5	3.5	3.8	.0	- .3
Electric and electronic equipment	2.4	2.4	2.4	.0	.0
Transportation equipment	10.0	10.2	9.9	- .2	.1
Nondurable Goods	5.2	5.3	5.2	- .1	.0
NONMANUFACTURING	136.4	136.8	130.8	- .4	5.7
CONSTRUCTION	5.8	6.1	5.1	- .2	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.9	8.0	7.4	.0	.5
Communication, electric, gas services	3.1	3.1	3.0	.0	.1
WHOLESALE TRADE	9.0	8.9	8.6	.1	.4
Wholesale trade-durable goods	5.8	5.8	5.6	.1	.2
RETAIL TRADE	36.7	37.3	35.9	- .6	.8
General merchandise stores	5.4	5.8	5.0	- .4	- .5
FINANCE, INSURANCE, AND REAL ESTATE	8.2	8.2	7.7	.0	.5
Banking	2.7	2.8	2.7	.0	.1
SERVICES	43.0	43.1	41.1	- .1	2.0
Health services	19.3	19.4	18.5	- .1	.8
Hospitals	10.1	10.3	9.8	- .1	.3
GOVERNMENT	25.2	24.6	24.4	.5	.8
State government	4.3	4.0	4.2	.3	.0
State government education	2.8	2.4	2.8	.4	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.8	18.6	18.1	.2	.7
Local government education	12.3	12.1	11.8	.2	.5
Local government, except education	6.5	6.5	6.3	.0	.2

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1987[b]	January 1987[c]	February 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]	Feb. 1987[b]	Jan. 1987[c]	Feb. 1986[c]
MANUFACTURING	$565.13	$577.37	$570.12	42.3	42.8	42.2	$13.36	$13.49	$13.51
Durable Goods[e]	582.77	594.78	589.90	42.6	43.1	42.5	13.68	13.80	13.88
Primary metal industries	611.89	604.20	561.20	42.7	42.4	40.0	14.33	14.25	14.03
Blast furnace and basic steel products	636.08	631.37	507.53	44.7	44.4	37.1	14.23	14.22	13.68
Fabricated metal products	562.21	587.24	563.07	41.8	42.4	41.1	13.45	13.85	13.70
Machinery, except electrical	475.78	469.04	469.04	41.3	41.0	41.0	11.52	11.44	11.44
Electric and electronic equipment	416.71	414.00	409.62	38.8	38.8	39.5	10.74	10.67	10.37
Transportation equipment	666.18	717.16	791.01	44.8	47.4	49.5	14.87	15.13	15.98
Nondurable Goods[f]	378.94	389.44	360.12	38.9	39.1	39.4	9.69	9.96	9.14
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	523.51	525.63	507.05	39.6	39.7	39.8	13.22	13.24	12.74
WHOLESALE TRADE	339.34	341.05	324.32	38.3	38.8	37.8	8.86	8.79	8.58
RETAIL TRADE[h]	169.36	168.19	163.88	29.0	29.2	28.9	5.84	5.76	5.67

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, instruments and related products, miscellaneous manufacturing. [f]Includes food and kindred products, tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastics products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	February 1987	January 1987	February 1986
Employment Service Program			
New Applicants	1,862	1,967	2,553
Active File of Job Seekers	28,315	28,585	34,375
Referrals to Jobs	1,010	1,033	852
Placements	202	249	256
Job Openings Received	339	364	378
Job Openings Unfilled	494	455	405
Unemployment Insurance Program			
Initial Claims	4,458	11,612	4,725
Continued Claims	34,223	41,670	33,623
First Payments	2,413	3,729	2,238
Last Payments	360	406	469
Weeks Compensated	30,494	34,011	30,727
Benefits Paid	$4,505,998	$4,869,509	$4,477,519
Average Weekly Payment	$151.97	$150.05	$148.94

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow.

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	February 1987	January 1987	February 1986
New Applicants	42,617	48,475	44,265
Active File of Job Seekers	383,875	375,353	451,433
Counseling Interviews	2,004	1,632	2,179
Tests Administered	4,419	3,277	2,745
General Aptitude Tests	405	299	532
Proficiency Tests	611	575	681
Specific Aptitude Tests	1,185	408	1,108
Referrals to Jobs	20,128	19,338	20,342
Placements	4,529	3,772	4,593
Job Openings Received	8,456	9,021	9,277
Job Openings Unfilled	17,442	16,995	17,332

Selected Unemployment Insurance Activities

	February 1987	January 1987	February 1986
Initial Claims	60,049	105,164	63,826
Continued Claims	591,587	665,038	636,655
First Payments	39,802	50,812	38,307
Last Payments	7,244	8,259	7,510
Average Weekly Claimants	145,725	149,896	157,245
Average Weekly Benefit Recipients	128,508	116,003	136,532
Weeks Compensated	514,031	545,308	551,958
Benefits Paid	$76,217,472	$79,962,329	$81,313,896
Average Weekly Payment	$151.53	$151.19	$150.26
Continued Claims for Survey Week	146,359	148,681	157,825
Insured Unemployment Rate	3.5	3.6	3.8
Net Contributions	$69,602,078	$24,010,825	$63,238,322
Active Employer Accounts	194,258	194,291	190,708

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Ohio
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Labor Market Review

1986 Annual Summary

Summary. The moderate increase in Ohio nonagricultural wage and salary employment in 1986 gives evidence of continued expansion in the State economy, although the overall rate of improvement slowed once again between 1985 and 1986. The rate of increase was 4.1 percent in 1984, 2.6 percent in 1985, and 2.3 percent in 1986. Largest increases between 1985 and 1986 occurred in services and retail trade, while the decline in manufacturing employment accelerated.

Of jobs lost between 1979 and 1983, 97.4 percent have now been regained. Nearly nine of every ten jobs added since 1983 have been in the nonmanufacturing sector. The table below shows the structural change from goods production to service production in the economies of Ohio and the nation. A larger proportion of Ohio employment is concentrated in manufacturing industries, which were hardest hit in the last recessionary period. The manufacturing share of total nonagricultural wage and salary employment has continued to decline since 1983. In nonmanufacturing, shares for services, retail trade, wholesale trade, and finance, insurance, and real estate expanded during the 1979 to 1983 period, and continued to do so between 1983 and 1986. The majority of new jobs were added in services and retail trade.

Percent of Employment in Nonagricultural Divisions
Ohio and U.S., 1979, 1983, and 1986

INDUSTRY	OHIO			U.S.		
	1979	1983	1986	1979	1983	1986
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
Goods Producing	35.6	29.9	28.9	29.5	25.9	24.9
Mining	.7	.7	.5	1.1	1.1	.8
Construction	4.1	3.2	3.6	5.0	4.4	5.0
Manufacturing	30.8	26.0	24.8	23.4	20.4	19.2
Service Producing	64.4	70.1	71.1	70.6	74.1	75.1
Transportation and Public Utilities	5.2	4.9	4.6	5.7	5.5	5.3
Wholesale Trade	5.2	5.4	5.5	5.8	5.8	5.8
Retail Trade	16.5	17.4	18.3	16.7	17.3	17.9
Finance, Insurance, and Real Estate	4.5	5.1	5.2	5.5	6.1	6.3
Services	18.0	21.3	22.3	19.1	21.8	23.0
Government	15.0	16.0	15.2	17.8	17.6	16.7

Labor Force. Following a 1.0 percent increase in 1985, Ohio's civilian labor force rose 1.8 percent in 1986, to a new all-time high of 5,234,000. The civilian labor force in the U.S. grew 2.1 percent in 1986. (See table, page 2.)

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Total Employment. According to the household survey, 125,000 more people were employed in Ohio in 1986 than the year before, an improvement of 2.7 percent. This employment level marks an all-time record for the State, and a 1.0 percent improvement over the previous record reached in 1979.

Civilian Labor Force Estimates For Ohio and The U.S.
(Employed and Unemployed in Thousands)

OHIO				YEAR	UNITED STATES			
CIVILIAN LABOR FORCE	EMPLOYMENT	UNEMPLOYMENT			CIVILIAN LABOR FORCE	EMPLOYMENT	UNEMPLOYMENT	
		TOTAL	RATE				TOTAL	RATE
4,513	4,263	249	5.5	**1972**	87,034	82,153	4,882	5.6
4,623	4,425	198	4.3	**1973**	89,429	85,064	4,365	4.9
4,710	4,485	225	4.8	**1974**	91,949	86,794	5,156	5.6
4,723	4,294	429	9.1	**1975**	93,775	85,846	7,929	8.5
4,751	4,380	370	7.8	**1976**	96,158	88,752	7,406	7.7
4,833	4,520	312	6.5	**1977**	99,009	92,017	6,991	7.1
4,959	4,690	268	5.4	**1978**	102,251	96,048	6,202	6.1
5,059	4,760	299	5.9	**1979**	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	**1980**	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	**1981**	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	**1982**	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	**1983**	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	**1984**	113,544	105,005	8,539	7.5
5,139	4,684	456	8.9	**1985**	115,461	107,150	8,312	7.2
5,234	4,809	426	8.1	**1986**	117,834	109,597	8,237	7.0

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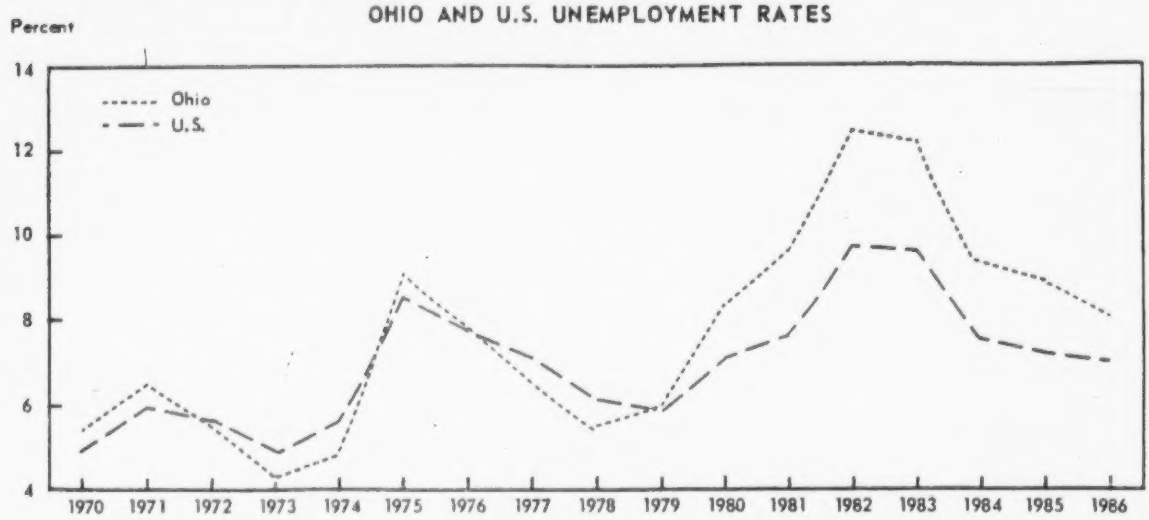
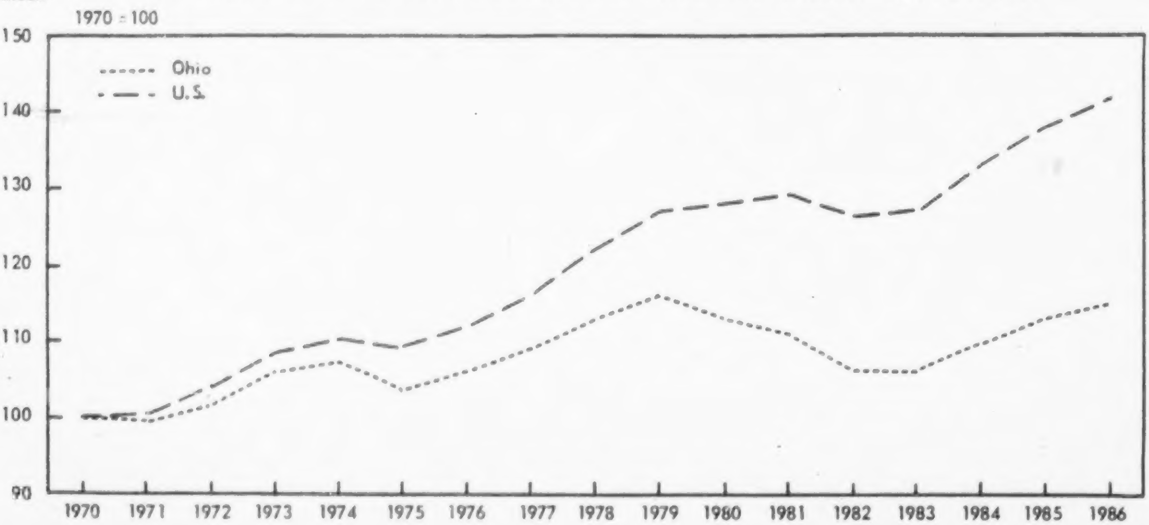
Unemployment. Ohio's annual average unemployment rate dropped from 8.9 percent in 1985 to 8.1 percent in 1986. The Ohio rate was 1.1 percentage points above the national rate. The U.S. unemployment rate was down from 7.2 percent in 1985, to 7.0 percent in 1986. Unemployed workers in Ohio averaged 426,000 per month in 1986, down 30,000 from 1985.

OHIO AND U.S. UNEMPLOYMENT RATES



Nonagricultural Wage and Salary Employment. Total nonfarm wage and salary employment increased 2.3 percent from 1985 to 1986, to 4,475,000. The 1986 level was 102,000 above the level for 1985, and just 10,000 below the peak in 1979. Employment in every nonmanufacturing industry, with the exception of mining, advanced in 1986. Important increases were reported in services, retail trade, government, finance, insurance, and real estate, and construction. Employment in durable goods continued to decline, reducing manufacturing employment despite a slight improvement in nondurable goods over the year. (See table, page 4, top.)

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



Growth Industries. Ohio's most rapidly growing industry in 1986 was, once again, business services. (See table, page 4, bottom.) General building contractors, not among the top ten growth industries in 1985, was the number two growth industry in 1986. The number of jobs in insurance carriers, eating and drinking places, automobile dealers and service stations, health services, and special trade contractors also increased significantly.

Ohio Employment Changes, 1985-1986

INDUSTRY	1986 Employment (in thousands)	Employment Change 1985-1986	Percent Change 1985-1986
TOTAL	4,475.2	102.3	2.3
Manufacturing	1,109.3	- 14.9	- 1.3
Durable Goods	753.2	- 15.5	- 2.0
Nondurable Goods	356.1	.6	.2
Nonmanufacturing	3,366.0	117.4	3.6
Mining	22.7	- 3.4	-13.0
Construction	160.8	6.8	4.4
Transportation and Public Utilities	205.5	2.8	1.4
Wholesale Trade	246.0	2.3	.9
Retail Trade	820.5	32.6	4.1
Finance, Insurance, and Real Estate	231.8	12.5	5.7
Services	998.8	49.3	5.2
Government	679.8	14.6	2.2

Employment Gains and Losses
Ohio and U.S., 1985-1986

Growing and Declining Industries	1986 Ohio Employment (in thous.)	1985-1986 Percent Change Ohio	U.S.
Most Rapidly Growing Industries**			
Business Services	191.6	10.9	8.0
General Building Contractors	41.1*	7.3	4.5
Insurance Carriers	62.9	6.2	5.7
Eating and Drinking Places	288.6	5.3	3.6
Auto Dealers and Service Stations	91.0	5.1	3.3
Health Services	344.0	4.3	4.4
Special Trade Contractors	99.1*	4.0	NA
State Government	148.1	3.6	2.4
Food Stores	128.4	2.4	5.5
Local Government	437.9*	1.8	2.2
Declining Industries			
Oil and Gas Extraction	8.0*	-25.9	-20.7
Railroads	15.7*	- 7.6	NA
Bituminous Coal and Lignite Mining	10.1*	- 6.5	NA
Primary Metal Industries	95.4*	- 6.3	- 5.5
Machinery, Except Electrical	158.7*	- 4.5	- 4.6
Apparel and Other Textile Products	16.3*	- 3.6	- .9
Stone, Clay, and Glass Products	49.4*	- 2.2	.7
Fabricated Metal Products	136.8*	- 1.9	- 2.0
Electric and Electronic Equipment	89.8*	- 1.0	- 1.7
Educational Services (private only)	58.5	- .8	NA
Total, All Industries			
Manufacturing	1,109.3*	- 1.3	- .7
Nonmanufacturing	3,366.0	3.6	3.4

*1986 employment is below 1979 level.

**Includes only employment sectors with changes exceeding 2,800.

Declining Industries. Oil and gas extraction, railroads, and bituminous coal and lignite mining topped the 1986 list of most rapidly declining industries in Ohio. These were followed closely by six manufacturing industries: primary metals, nonelectrical machinery, apparel and other textile products, stone, clay, and glass products, fabricated metal products, and electric and electronic equipment. Educational services in the private sector also showed an important decline.

Ohio Employment Changes and Recovery Rates
By Selected Industry
Annual Averages For 1979, 1983, and 1986

INDUSTRY	EMPLOYMENT (thous.)			CHANGES		% RECOVERY	
	PEAK 1979	TROUGH 1983	CURRENT 1986	79-83	83-86	OHIO	U.S.
TOTAL	4,485	4,093	**4,475**	**-392**	**382**	**97.4**	**+**
Manufacturing	1,383	1,066	**1,109**	**-317**	**43**	13.6	27.1
Durable Goods	981	724	**753**	**-257**	**29**	11.3	28.8
Nondurable Goods	402	342	**356**	**- 60**	**14**	23.3	21.0
Nonmanufacturing	3,103	3,027	**3,366**	**- 76**	**339**	446.1	+
Mining	32	27	**23**	**- 5**	**- 4**	-	-
Construction	183	131	**161**	**- 52**	**30**	57.7	195.2
Transportation and Public Utilities	232	199	**206**	**- 33**	**7**	21.2	183.7
Wholesale Trade	233	223	**246**	**- 10**	**23**	230.0	+
Retail Trade	742	711	**821**	**- 31**	**110**	354.8	+
Finance, Insurance, and Real Estate	201	208	**232**	**7**	**- 24**	+	+
Services	806	873	**999**	**67**	**126**	+	+
Government	674	656	**680**	**- 18**	**24**	133.3	924.8

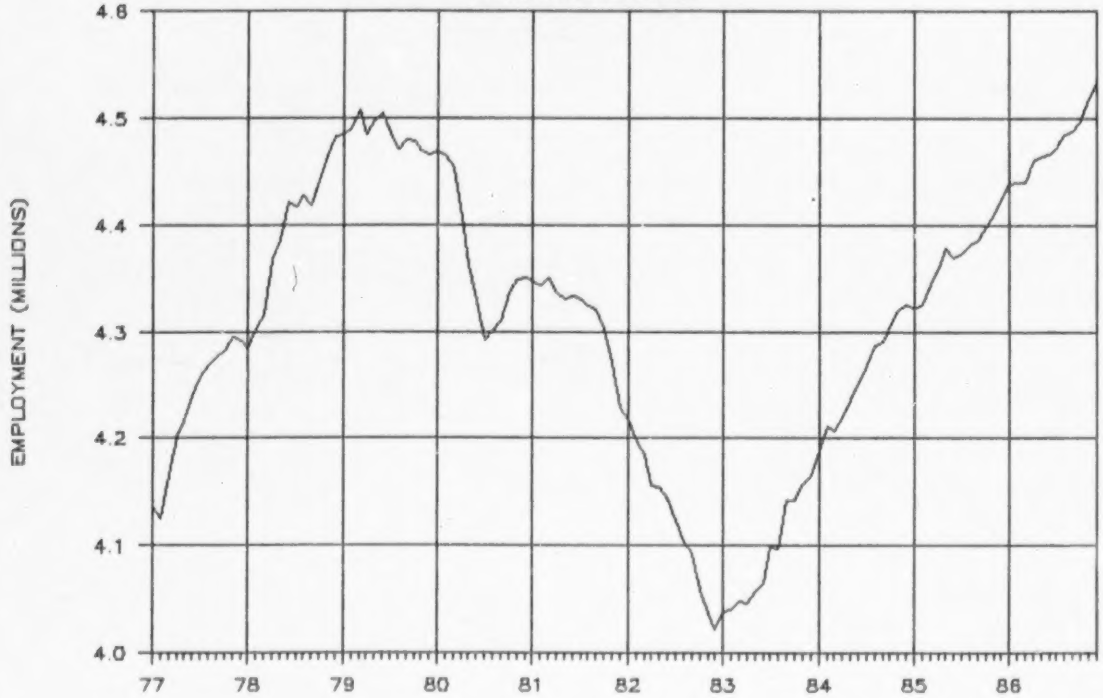
+ No downturn, 1979-1983.
- No upturn, 1983-1986.

Losses and Recovery. During the 1979-1983 recessionary period, 392,000 jobs were lost in Ohio. Since 1983, 97.4 percent, or 382,000 jobs, have been recovered. (See table, above.) All Ohio nonagricultural wage and salary employment division-level sectors, except services and finance, insurance, and real estate, experienced employment reductions between 1979 and 1983. Durable-goods manufacturing industries suffered the greatest losses and have been slowest to recover. Nondurable-goods and construction employment also dropped off significantly in the State and nationwide during the last recessionary period. During the recovery period, from 1983 to 1986, Ohio regained just 13.6 percent of lost factory jobs, while 27.1 percent were recovered nationally. Nearly ninety percent of the recovery in Ohio nonagricultural wage and salary employment resulted from the formation of new jobs in services and retail trade. Healthy expansion also occurred in construction; finance, insurance, and real estate; government, especially in local school districts; and wholesale trade.

Conclusion. Ohio experienced a continued improvement in its job situation in 1986. Total employment reached a record high, while total unemployment was at its lowest point since 1979. The unemployment rate fell from eighth highest in the nation in 1985 to sixteenth highest in 1986. Ohio reflected the nationwide shift in employment to service-producing industries.

TOTAL NONAGRICULTURAL

SEASONALLY ADJUSTED



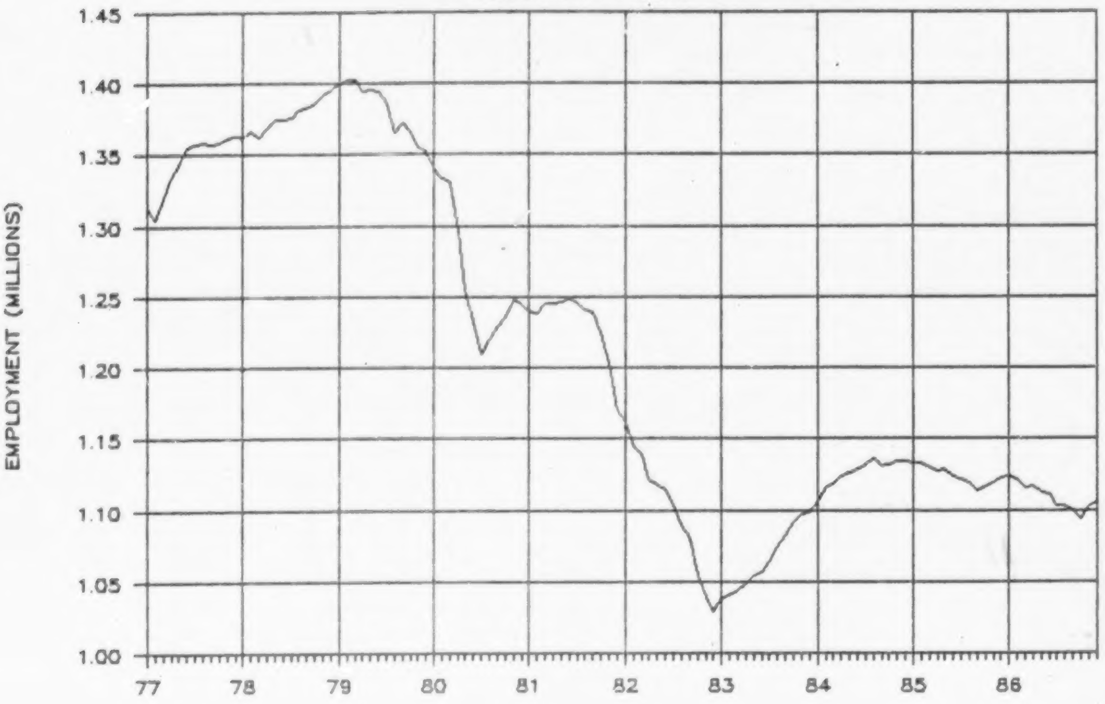
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TOTAL NONAGRICULTURAL EMPLOYMENT

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	4,135	4,125	4,166	4,202	4,216	4,239	4,257	4,268	4,276	4,282	4,296	4,292
1978	4,284	4,302	4,315	4,367	4,386	4,422	4,416	4,428	4,418	4,441	4,464	4,483
1979	4,484	4,490	4,508	4,484	4,497	4,505	4,486	4,470	4,479	4,478	4,469	4,466
1980	4,468	4,464	4,454	4,407	4,363	4,329	4,292	4,301	4,311	4,336	4,349	4,350
1981	4,347	4,342	4,351	4,336	4,330	4,334	4,330	4,325	4,322	4,302	4,270	4,228
1982	4,218	4,199	4,186	4,156	4,155	4,144	4,125	4,104	4,094	4,060	4,038	4,022
1983	4,040	4,040	4,048	4,047	4,058	4,066	4,100	4,098	4,142	4,142	4,158	4,165
1984	4,188	4,211	4,207	4,220	4,236	4,252	4,268	4,287	4,290	4,305	4,319	4,326
1985	4,321	4,326	4,345	4,359	4,379	4,368	4,374	4,380	4,385	4,398	4,410	4,422
1986	4,438	4,440	4,440	4,459	4,464	4,466	4,472	4,484	4,488	4,497	4,518	4,532

TOTAL MANUFACTURING

SEASONALLY ADJUSTED



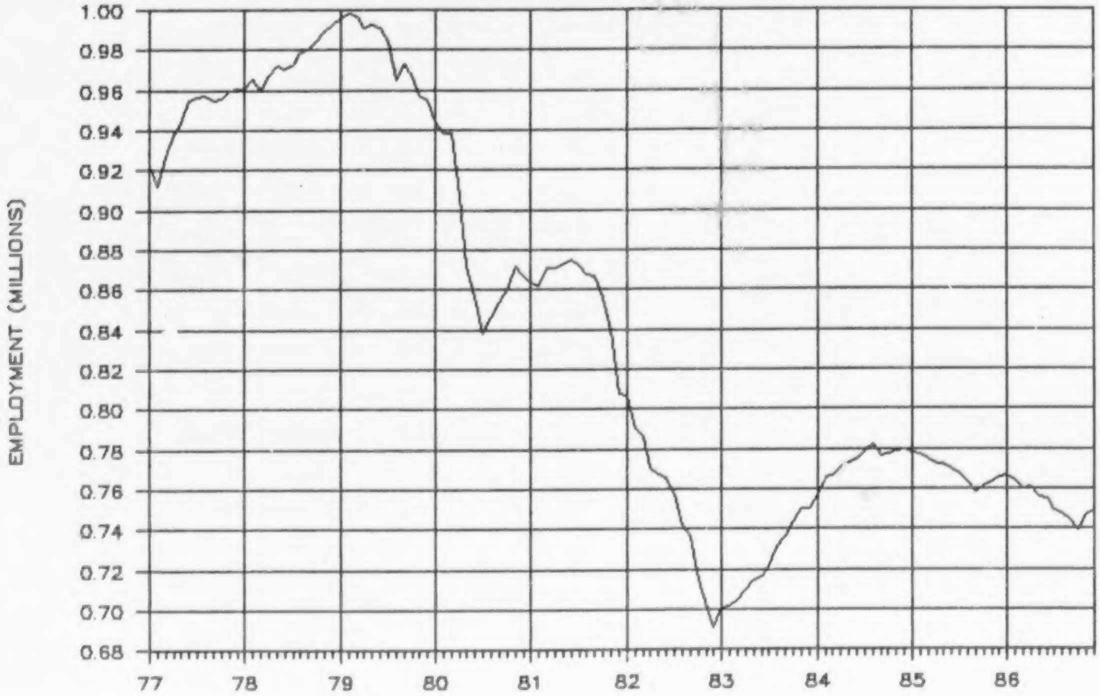
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TOTAL MANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	1,314	1,304	1,320	1,335	1,342	1,355	1,357	1,358	1,357	1,358	1,363	1,363
1978	1,362	1,367	1,362	1,370	1,375	1,375	1,376	1,382	1,383	1,387	1,392	1,396
1979	1,400	1,403	1,402	1,395	1,396	1,394	1,387	1,366	1,372	1,366	1,356	1,353
1980	1,341	1,333	1,331	1,296	1,255	1,234	1,209	1,220	1,229	1,236	1,249	1,244
1981	1,240	1,238	1,246	1,246	1,247	1,249	1,246	1,241	1,239	1,225	1,204	1,170
1982	1,163	1,145	1,139	1,121	1,118	1,114	1,105	1,089	1,081	1,055	1,040	1,029
1983	1,039	1,041	1,044	1,049	1,055	1,057	1,064	1,074	1,082	1,091	1,097	1,098
1984	1,107	1,116	1,119	1,124	1,127	1,129	1,133	1,137	1,130	1,133	1,134	1,135
1985	1,133	1,133	1,130	1,127	1,128	1,124	1,122	1,119	1,114	1,117	1,120	1,123
1986	1,124	1,122	1,117	1,117	1,112	1,111	1,103	1,103	1,100	1,094	1,103	1,106

DURABLE GOODS MANUFACTURING

SEASONALLY ADJUSTED



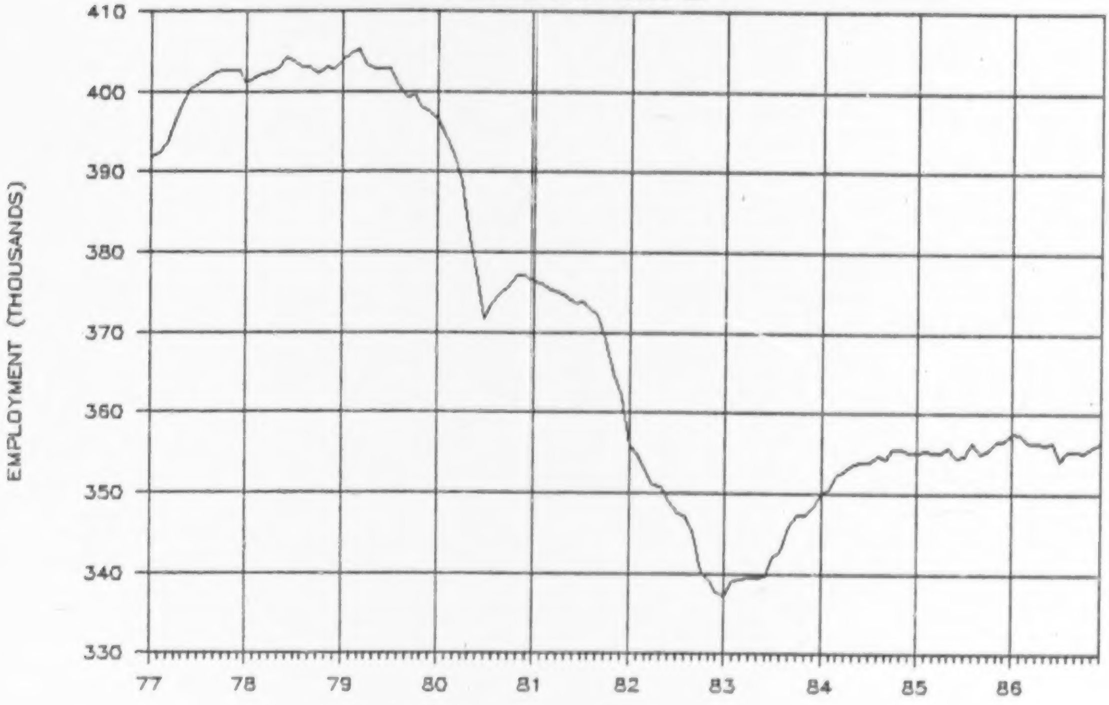
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

DURABLE-GOODS MANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	922	912	927	939	944	955	957	957	955	956	960	961
1978	961	965	960	967	972	971	973	979	980	984	989	993
1979	996	998	997	991	993	991	984	965	973	966	957	955
1980	944	938	939	907	871	857	838	847	854	860	872	867
1981	864	862	871	870	872	875	872	867	867	856	839	808
1982	807	791	786	770	767	765	757	742	736	715	701	691
1983	701	702	705	710	715	717	722	731	736	744	750	750
1984	757	765	767	771	773	775	779	782	776	777	779	780
1985	778	778	775	772	773	770	767	763	759	762	763	766
1986	767	764	760	761	756	755	749	748	744	739	747	750

NONDURABLE GOODS MANUFACTURING

SEASONALLY ADJUSTED



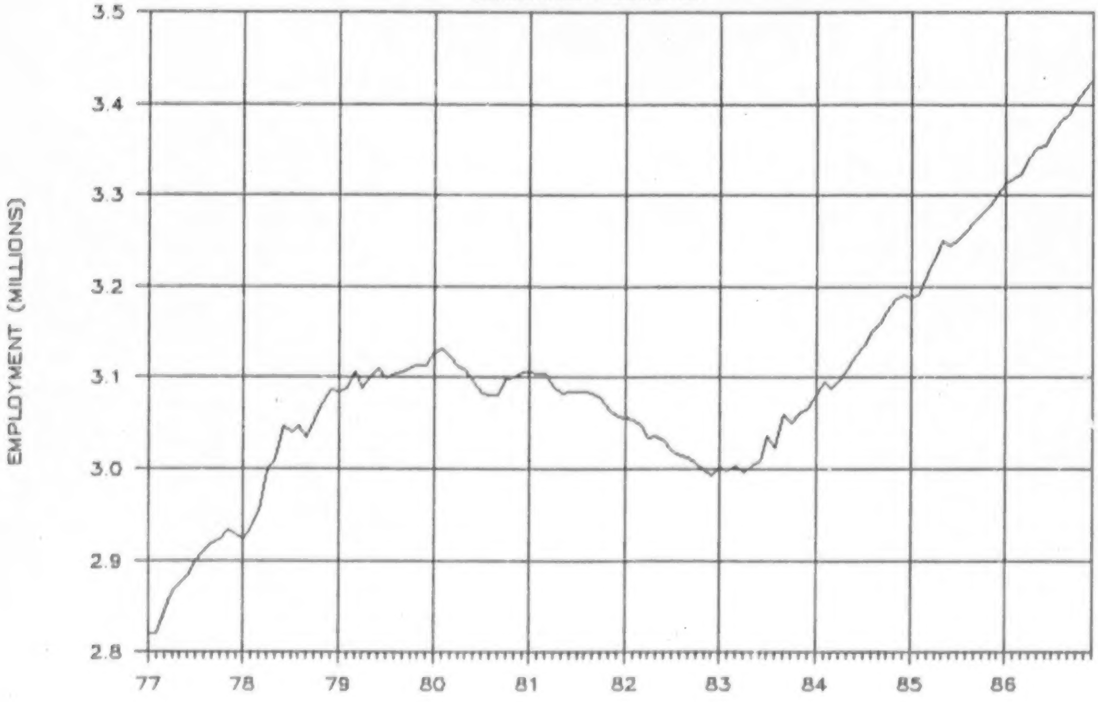
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

NONDURABLE-GOODS MANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	392	392	394	396	399	400	401	402	403	403	403	403
1978	401	402	402	402	403	404	404	403	403	402	403	403
1979	404	405	405	403	403	403	403	401	399	399	398	397
1980	397	395	392	389	383	377	372	374	375	376	377	377
1981	376	376	375	375	375	374	374	373	372	369	365	362
1982	356	355	353	351	351	349	347	347	345	340	339	338
1983	337	339	339	339	340	340	342	343	346	347	347	348
1984	350	351	352	353	354	354	354	355	354	356	356	355
1985	355	355	355	355	356	355	355	356	355	356	357	357
1986	357	357	356	356	356	356	354	355	355	355	356	356

TOTAL NONMANUFACTURING

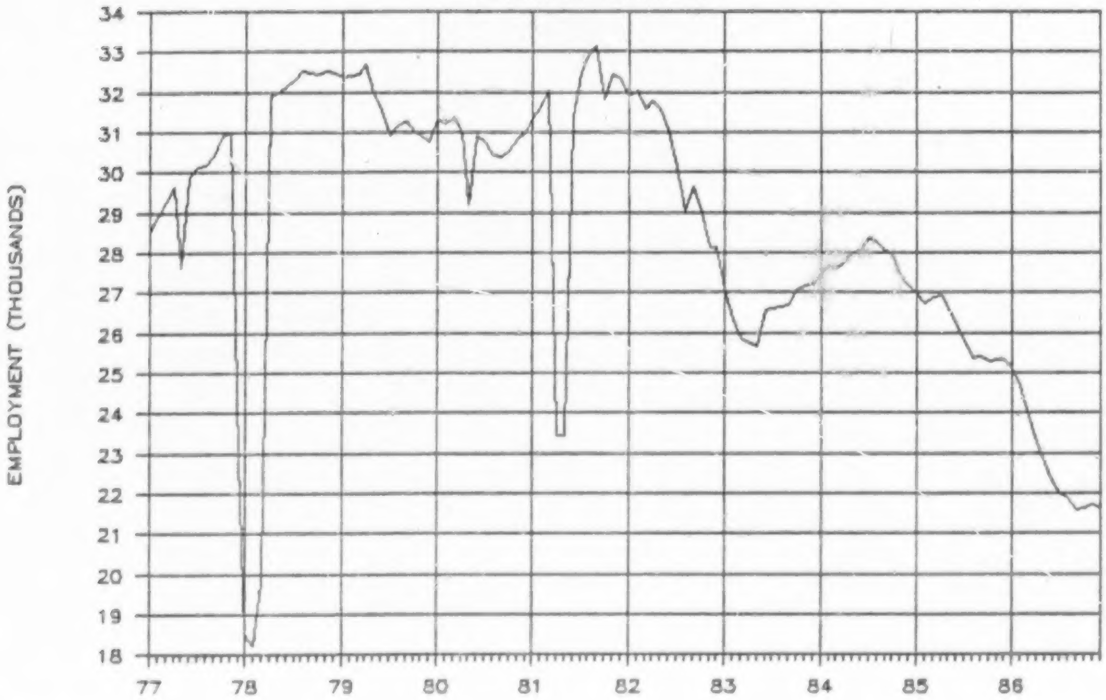
SEASONALLY ADJUSTED



OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TOTAL NONMANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	2,821	2,821	2,845	2,867	2,874	2,883	2,900	2,910	2,919	2,923	2,933	2,929
1978	2,922	2,935	2,953	2,998	3,011	3,047	3,040	3,046	3,035	3,055	3,072	3,087
1979	3,084	3,088	3,105	3,089	3,101	3,111	3,099	3,104	3,107	3,112	3,113	3,113
1980	3,128	3,131	3,123	3,112	3,109	3,095	3,082	3,081	3,082	3,100	3,100	3,106
1981	3,107	3,104	3,105	3,091	3,083	3,085	3,084	3,084	3,082	3,077	3,066	3,058
1982	3,056	3,053	3,047	3,035	3,036	3,030	3,020	3,015	3,012	3,005	2,998	2,993
1983	3,001	2,999	3,003	2,998	3,003	3,009	3,036	3,024	3,059	3,051	3,061	3,067
1984	3,081	3,095	3,089	3,096	3,110	3,124	3,135	3,150	3,160	3,173	3,185	3,191
1985	3,188	3,193	3,215	3,232	3,250	3,244	3,252	3,261	3,272	3,280	3,290	3,300
1986	3,314	3,319	3,323	3,342	3,352	3,355	3,369	3,381	3,388	3,403	3,415	3,426



MINING

SEASONALLY ADJUSTED

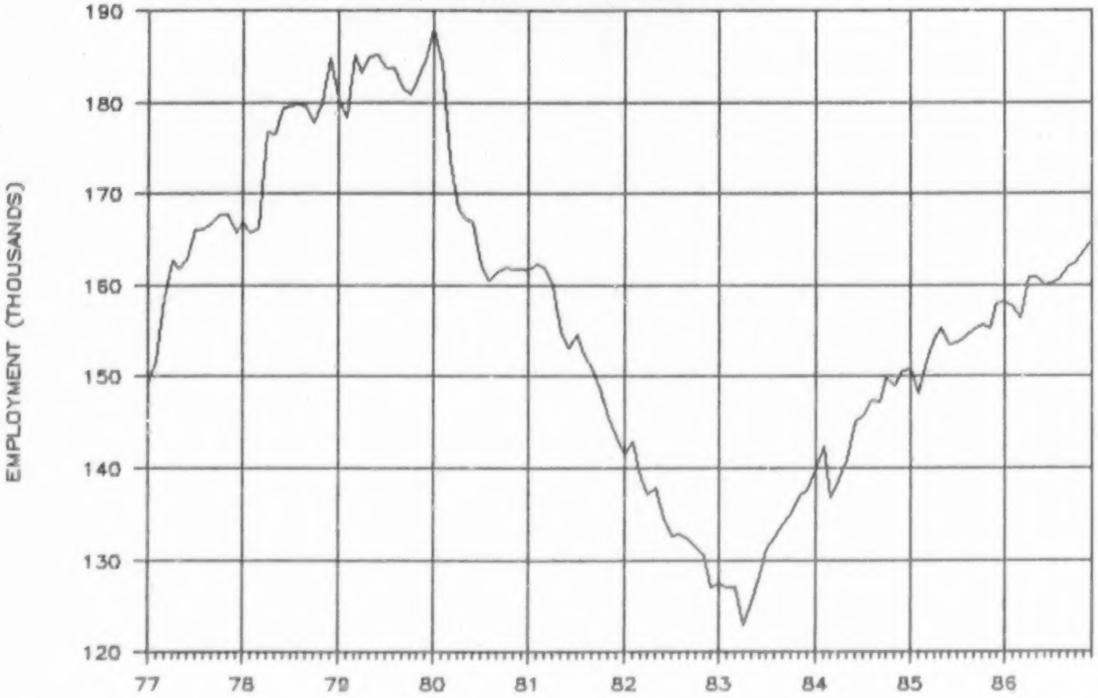
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

MINING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	29	29	29	32	28	30	30	30	30	31	31	23
1978	18	18	20	30	32	32	32	33	33	32	33	32
1979	32	32	32	33	32	32	31	31	31	31	31	31
1980	31	31	31	31	29	31	31	30	30	31	31	31
1981	31	32	32	23	23	31	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	28	28	28	28	28	28	28	28	28	27	27
1985	27	27	27	27	27	26	26	25	25	25	25	25
1986	25	25	24	23	23	22	22	22	22	22	22	22

CONSTRUCTION

SEASONALLY ADJUSTED



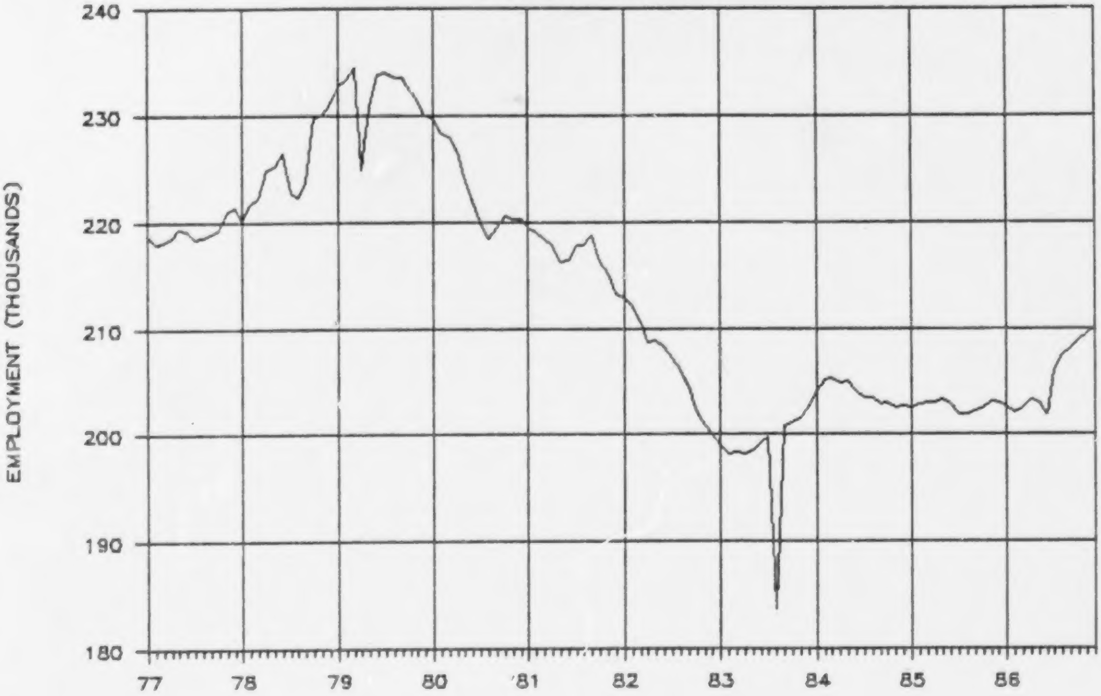
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

CONSTRUCTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	149	152	159	163	162	163	166	166	167	168	168	166
1978	167	166	166	177	177	179	180	180	180	178	180	185
1979	180	178	185	183	185	185	184	184	182	181	182	185
1980	188	184	174	168	167	167	162	160	161	162	162	162
1981	162	162	162	160	155	153	155	152	151	149	146	144
1982	141	143	139	137	138	135	133	133	132	131	130	127
1983	127	127	127	123	125	128	131	132	134	135	137	138
1984	140	142	137	139	141	145	146	147	147	150	149	151
1985	151	148	152	154	155	154	154	154	155	156	155	158
1986	158	158	156	161	161	160	160	161	162	162	164	165

TRANSPORTATION & PUBLIC UTILITIES

SEASONALLY ADJUSTED



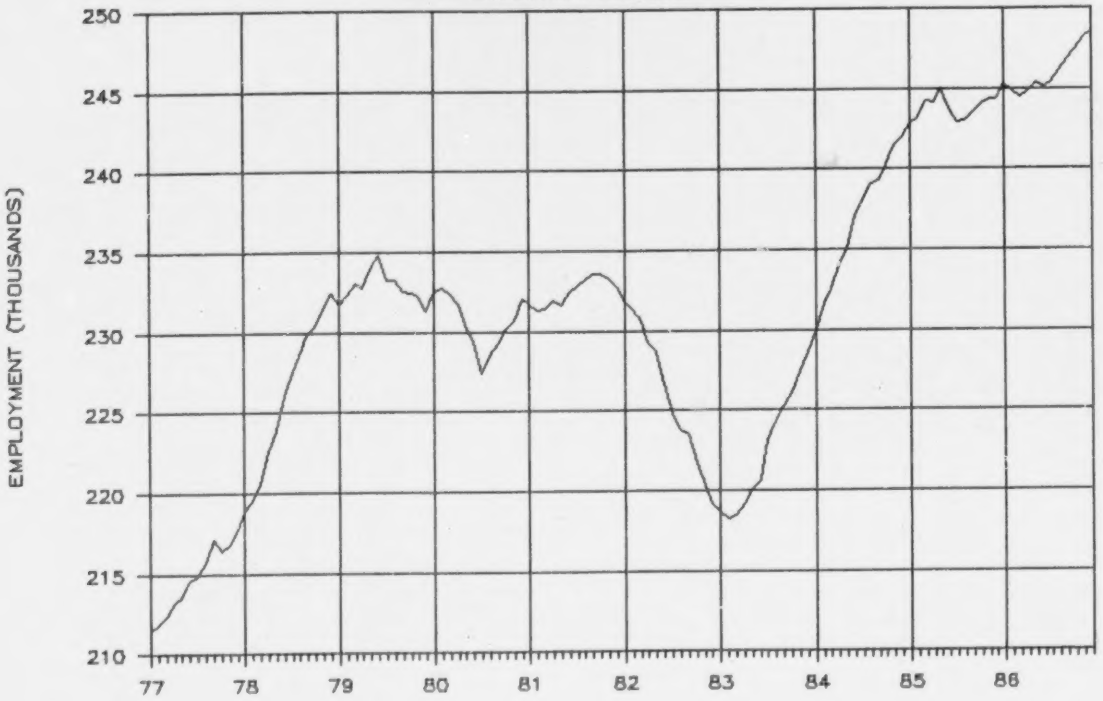
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TRANSPORTATION AND PUBLIC UTILITIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	219	218	218	219	219	219	218	219	219	219	221	221
1978	220	222	222	225	225	226	223	222	224	230	230	231
1979	233	233	234	225	231	234	234	233	234	232	231	230
1980	230	228	228	227	224	222	220	218	219	221	220	220
1981	220	219	218	218	216	216	218	218	219	216	215	213
1982	213	212	211	209	209	208	207	206	205	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	203
1984	204	205	205	205	205	204	204	203	203	203	203	203
1985	202	203	203	203	203	203	202	202	202	202	203	203
1986	203	202	203	203	203	202	206	207	208	209	210	210

WHOLESALE TRADE

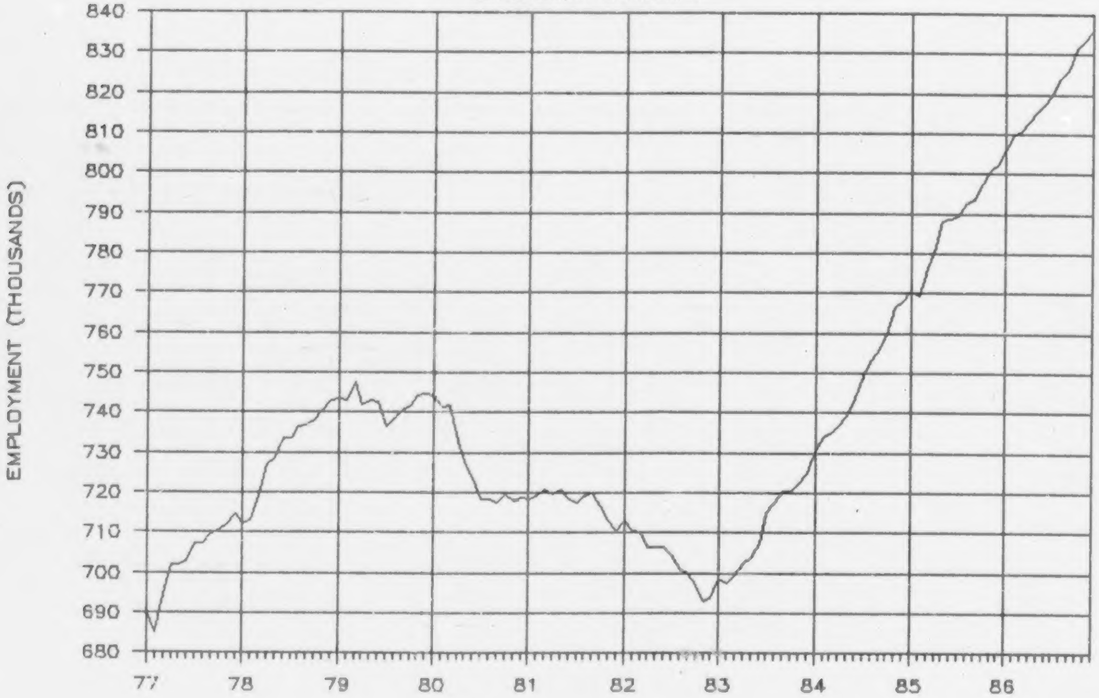
SEASONALLY ADJUSTED



OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

WHOLESALE TRADE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	211	212	212	213	214	215	215	216	217	216	217	218
1978	219	220	221	223	224	226	227	228	230	230	231	232
1979	232	232	233	233	234	235	233	233	233	232	232	231
1980	233	233	232	232	230	229	227	229	229	230	231	232
1981	232	231	231	232	232	232	233	233	234	234	233	233
1982	232	231	231	229	229	227	225	224	223	222	220	219
1983	219	218	218	219	220	221	223	224	225	226	227	229
1984	230	232	233	234	235	237	238	239	239	240	241	242
1985	243	243	244	244	245	244	243	243	244	244	244	244
1986	245	245	244	245	245	245	245	246	247	247	248	249



RETAIL TRADE

SEASONALLY ADJUSTED

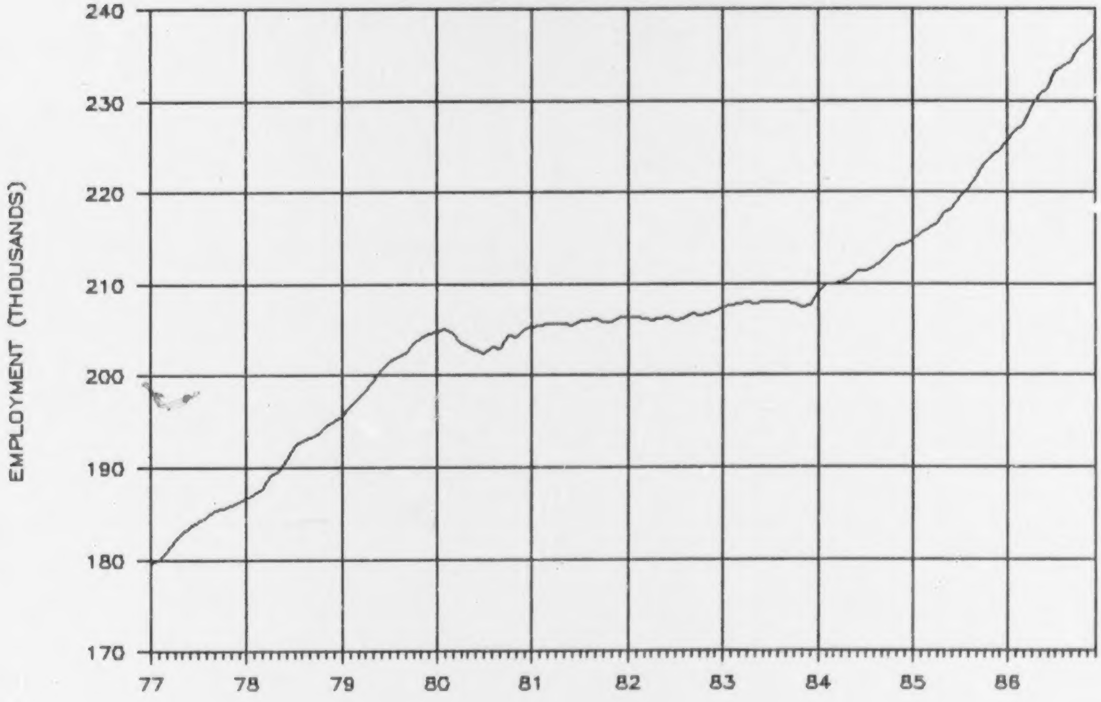
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

RETAIL TRADE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	690	685	695	702	702	703	707	707	710	710	712	715
1978	712	713	719	727	729	733	734	736	737	738	741	743
1979	743	743	748	742	743	742	736	739	741	742	744	745
1980	744	741	742	733	728	724	719	718	717	720	718	719
1981	718	719	721	720	721	718	717	719	720	717	713	710
1982	713	711	710	706	707	706	704	701	700	697	693	694
1983	699	697	700	702	704	707	715	717	721	720	722	725
1984	731	734	735	737	739	744	749	753	756	760	766	768
1985	771	769	776	782	788	789	790	793	794	798	801	802
1986	806	809	811	813	816	818	820	824	826	831	833	836

FINANCE, INSURANCE, & REAL ESTATE

SEASONALLY ADJUSTED



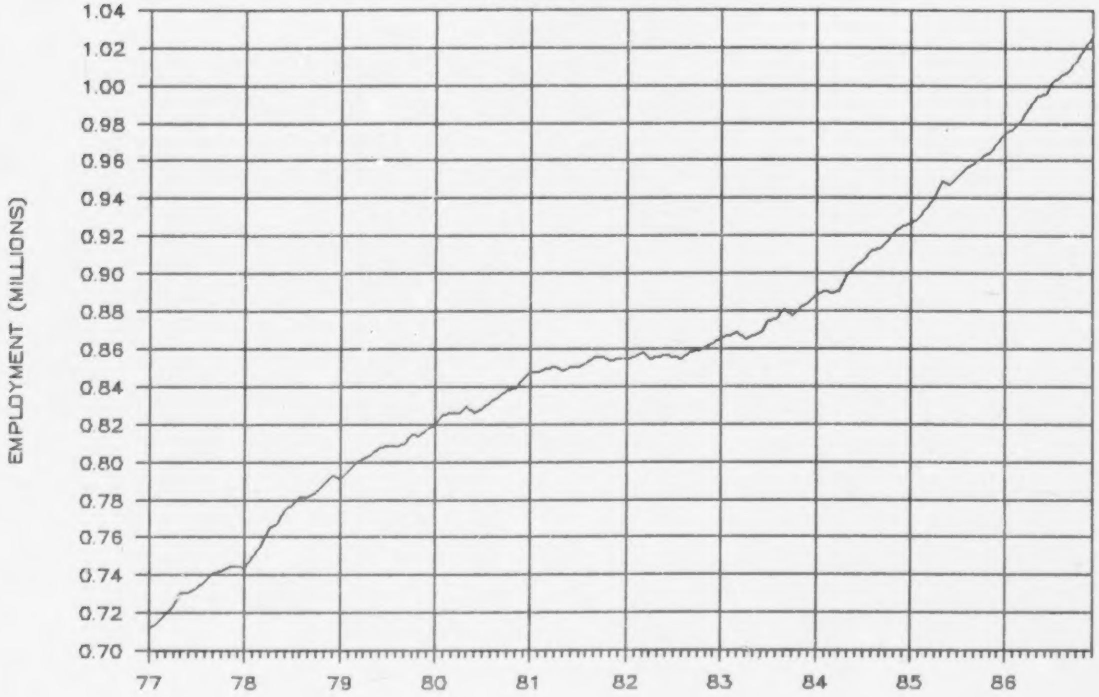
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

FINANCE, INSURANCE, AND REAL ESTATE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	180	180	181	182	183	184	184	185	185	185	186	186
1978	187	187	188	189	190	191	192	193	193	194	194	195
1979	196	197	197	198	199	201	202	202	202	204	204	205
1980	205	205	205	203	203	203	202	203	203	204	204	205
1981	205	205	206	206	206	205	206	206	206	206	206	206
1982	206	206	206	206	206	206	206	206	207	207	207	207
1983	208	208	208	208	208	208	208	208	208	208	207	208
1984	209	210	210	210	210	211	211	212	213	213	214	214
1985	215	216	216	217	218	218	219	220	222	223	224	225
1986	226	227	227	229	231	231	233	234	234	236	236	237

SERVICES

SEASONALLY ADJUSTED



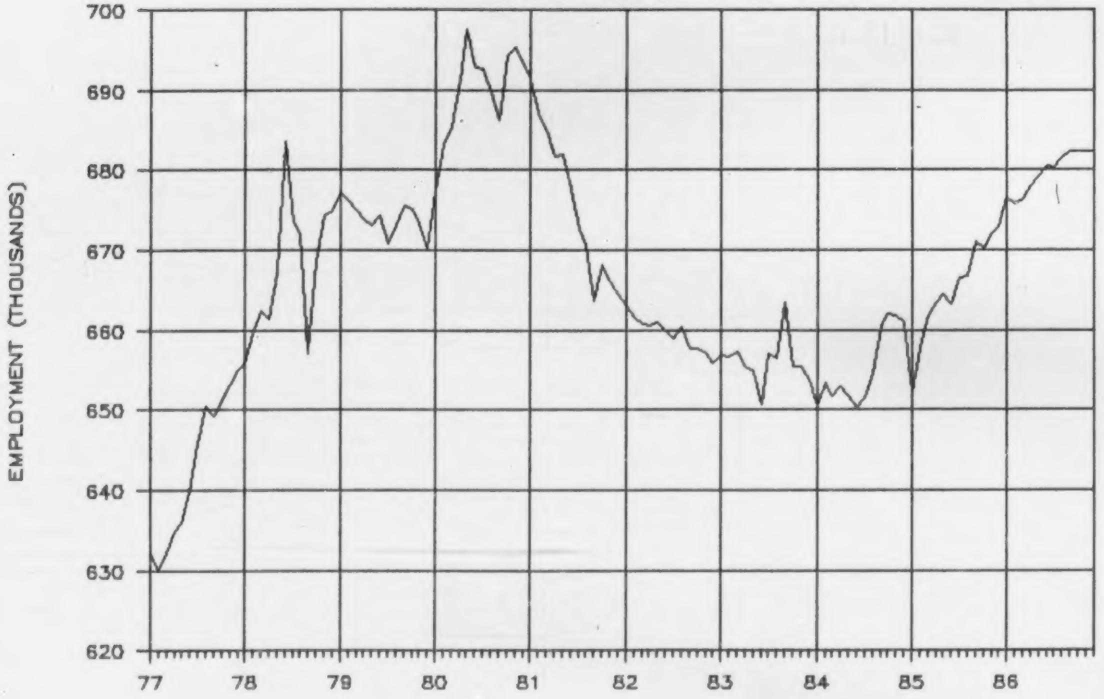
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

SERVICES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	712	715	719	724	731	731	733	737	741	742	745	745
1978	744	750	755	765	767	775	778	782	782	784	788	793
1979	791	795	800	802	804	808	808	809	809	815	814	817
1980	820	825	826	826	829	826	828	832	835	838	839	844
1981	848	848	849	850	849	850	850	852	856	856	854	855
1982	855	856	858	855	856	857	856	855	858	859	861	863
1983	866	867	869	865	867	868	875	875	881	878	882	884
1984	889	891	890	891	899	904	907	913	913	917	922	925
1985	927	930	935	942	949	948	952	956	959	962	965	969
1986	974	977	981	989	994	996	1,002	1,005	1,008	1,013	1,020	1,026

GOVERNMENT

SEASONALLY ADJUSTED



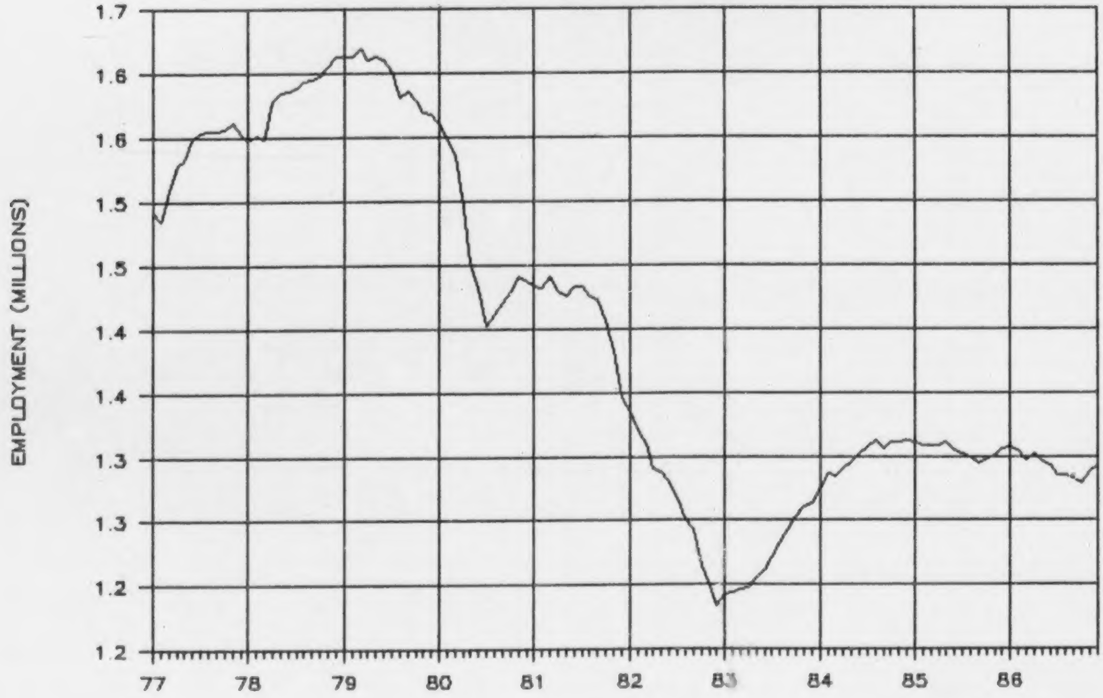
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

GOVERNMENT

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	632	630	632	635	636	640	646	650	649	651	653	655
1978	656	660	662	661	667	684	674	672	657	668	674	675
1979	677	676	675	674	673	674	671	673	676	675	673	670
1980	677	683	685	691	697	693	693	690	686	694	695	693
1981	691	687	685	682	682	678	673	671	664	668	666	664
1982	663	662	661	661	661	660	659	660	658	658	657	656
1983	657	657	657	656	655	651	657	656	663	656	655	654
1984	651	653	652	653	652	650	652	655	660	662	662	661
1985	652	658	662	664	664	663	667	667	671	670	672	673
1986	677	676	676	678	679	680	680	682	682	682	682	682

GOODS PRODUCING INDUSTRIES

SEASONALLY ADJUSTED



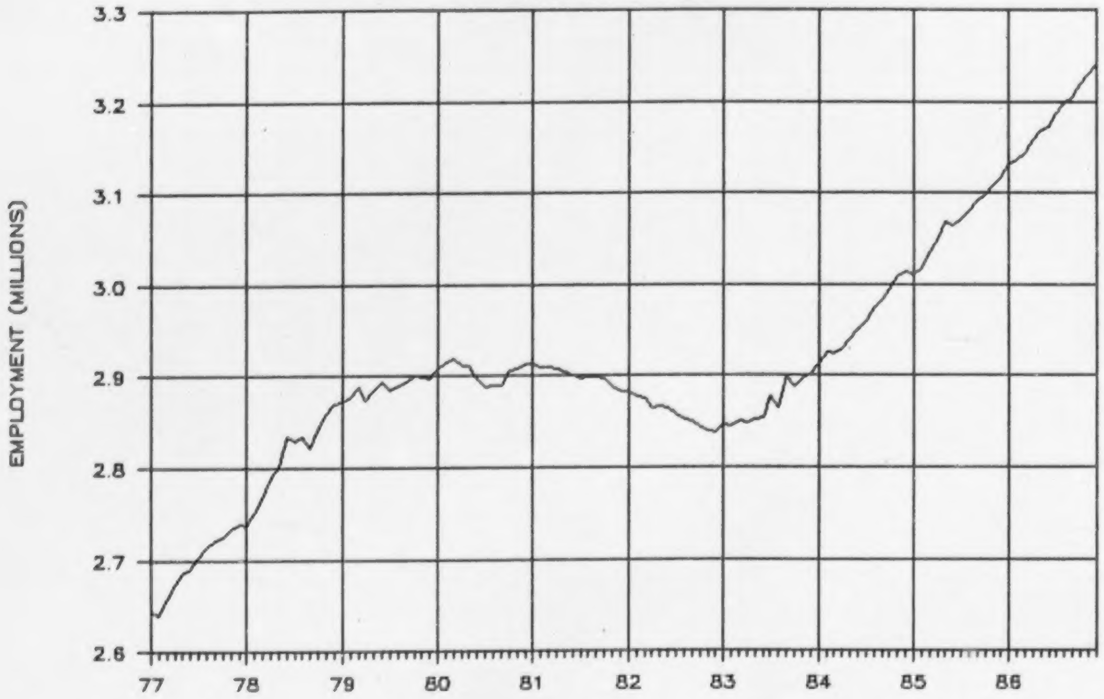
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

GOODS-PRODUCING INDUSTRIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	1,492	1,485	1,508	1,528	1,531	1,548	1,554	1,555	1,555	1,557	1,561	1,552
1978	1,547	1,551	1,548	1,578	1,584	1,586	1,588	1,594	1,595	1,597	1,605	1,613
1979	1,613	1,613	1,620	1,610	1,613	1,611	1,601	1,581	1,585	1,577	1,569	1,568
1980	1,560	1,548	1,536	1,495	1,451	1,432	1,403	1,411	1,421	1,429	1,441	1,437
1981	1,433	1,432	1,440	1,429	1,425	1,433	1,433	1,426	1,423	1,406	1,382	1,346
1982	1,336	1,320	1,309	1,290	1,288	1,280	1,267	1,251	1,243	1,215	1,199	1,184
1983	1,193	1,195	1,197	1,198	1,206	1,212	1,222	1,233	1,243	1,253	1,262	1,263
1984	1,274	1,286	1,283	1,290	1,296	1,302	1,307	1,313	1,306	1,310	1,311	1,313
1985	1,311	1,308	1,309	1,308	1,310	1,304	1,302	1,299	1,294	1,298	1,301	1,306
1986	1,307	1,304	1,297	1,301	1,296	1,293	1,285	1,286	1,283	1,278	1,288	1,292

SERVICE PRODUCING INDUSTRIES

SEASONALLY ADJUSTED



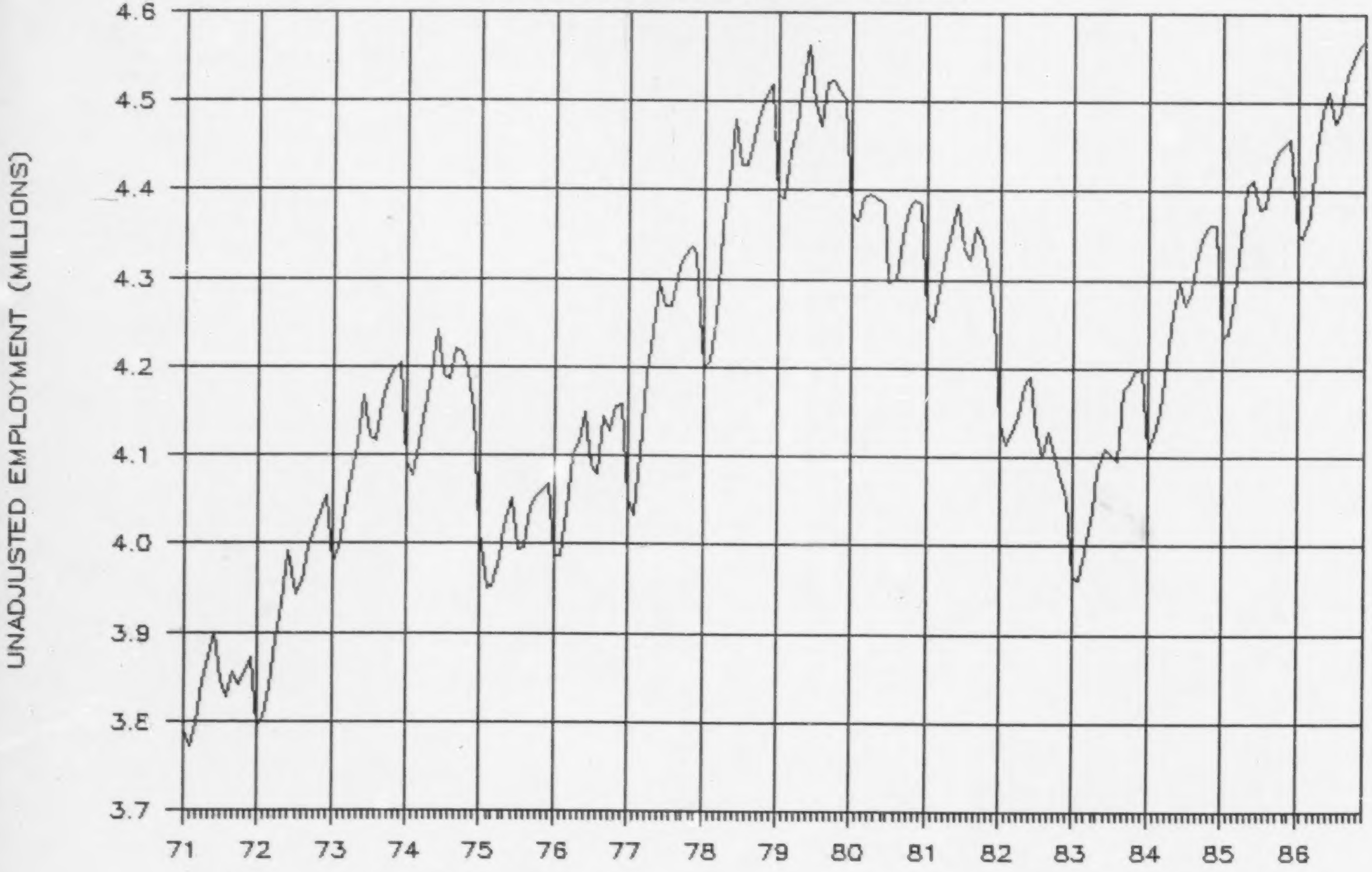
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

SERVICE-PRODUCING INDUSTRIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	2,644	2,640	2,657	2,674	2,685	2,691	2,704	2,713	2,722	2,725	2,734	2,740
1978	2,737	2,751	2,767	2,789	2,802	2,835	2,828	2,834	2,822	2,844	2,859	2,870
1979	2,871	2,877	2,888	2,873	2,884	2,894	2,884	2,889	2,894	2,900	2,900	2,898
1980	2,908	2,916	2,918	2,912	2,912	2,897	2,889	2,890	2,890	2,907	2,908	2,914
1981	2,914	2,910	2,911	2,907	2,905	2,901	2,897	2,899	2,898	2,897	2,887	2,882
1982	2,882	2,878	2,876	2,866	2,867	2,864	2,857	2,853	2,850	2,844	2,839	2,838
1983	2,847	2,845	2,850	2,849	2,852	2,854	2,878	2,865	2,899	2,889	2,896	2,902
1984	2,914	2,925	2,924	2,930	2,941	2,951	2,961	2,975	2,984	2,995	3,008	3,013
1985	3,010	3,018	3,036	3,051	3,068	3,064	3,072	3,081	3,091	3,100	3,110	3,117
1986	3,130	3,136	3,143	3,158	3,168	3,173	3,187	3,198	3,205	3,218	3,230	3,240

STATE OF OHIO

TOTAL NONAGRICULTURAL EMPLOYMENT



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4475.2	4352.2	4348.7	4374.5	4446.7	4491.8	4510.9	4478.3	4488.4	4531.8	4546.2	4563.9	4569.4
MANUFACTURING	1109.3	1113.5	1109.8	1110.0	1114.1	1112.3	1118.3	1105.8	1107.4	1109.4	1098.4	1105.8	1106.3
Durable Goods[b]	753.2	759.6	756.7	757.2	760.3	757.2	760.1	750.6	748.4	748.0	741.5	749.1	749.6
Lumber and wood products	18.2	16.7	16.9	17.2	18.0	18.6	18.4	18.6	18.8	18.9	19.0	18.7	18.4
Furniture and fixtures	14.5	14.1	14.4	14.6	14.6	14.7	14.8	14.1	14.7	14.5	14.3	14.5	14.5
Stone, clay, and glass products	49.4	48.2	47.7	48.2	49.6	49.9	50.5	50.4	50.6	50.4	48.6	49.2	49.0
Glass and glassware, pressed or blown.	10.9	11.1	11.1	11.1	11.2	11.0	11.1	10.5	11.1	11.2	9.6	10.9	11.0
Primary metal industries	95.4	98.8	98.9	99.0	98.5	98.4	97.2	93.9	91.9	90.1	90.9	93.6	94.1
Blast furnace and basic steel products	42.8	44.3	44.4	44.6	44.5	44.3	44.0	43.2	41.5	38.6	40.0	41.9	42.1
Iron and steel foundries	20.2	20.6	21.0	21.2	20.9	20.9	20.4	19.9	19.3	19.7	19.3	19.2	19.4
Nonferrous rolling and drawing	17.8	18.4	18.1	17.9	17.8	18.0	17.7	17.2	17.4	18.0	17.8	17.8	17.8
Fabricated metal products	136.8	137.0	137.0	137.4	137.9	137.6	137.8	135.5	135.5	137.2	136.0	136.3	136.0
Cutlery, hand tools, and hardware	10.5	11.1	11.0	11.0	10.9	10.5	10.4	10.1	10.2	10.3	10.1	10.3	10.3
Fabricated structural metal products	29.1	28.5	28.3	28.4	28.7	29.2	29.6	29.5	29.7	29.2	29.4	29.4	29.2
Metal forgings and stampings	43.3	43.7	43.8	44.1	44.2	43.7	43.8	42.5	41.3	43.1	43.0	43.1	43.4
Machinery, except electrical	158.7	161.6	160.5	160.7	160.5	160.3	160.3	159.0	158.3	158.1	152.7	156.0	156.1
Construction and related machinery	12.9	13.5	13.2	13.0	13.1	13.0	13.0	12.9	12.8	12.6	12.5	12.3	12.3
Metalworking machinery	41.3	42.0	41.6	41.7	41.7	41.7	41.8	41.3	41.5	41.2	40.9	40.5	40.3
Special industry machinery	17.2	17.4	17.2	17.3	17.1	17.2	17.2	17.6	17.2	17.2	16.9	16.9	16.9
General industrial machinery	28.0	29.2	29.0	28.8	28.7	28.6	28.6	28.1	27.9	27.9	23.7	27.5	27.6
Office and computing machines	13.6	13.5	13.6	13.6	13.6	13.6	13.7	13.9	13.7	13.7	13.6	13.6	13.4
Refrigeration and service machinery	16.5	16.6	16.6	16.6	16.5	16.7	16.6	16.1	16.0	16.3	16.4	16.5	16.7
Electric and electronic equipment	89.8	89.9	88.9	89.0	89.6	90.1	89.6	89.1	90.4	90.1	90.1	90.2	90.2
Electrical industrial apparatus	17.2	17.7	17.6	17.5	17.2	17.8	17.3	17.1	17.1	16.9	16.9	16.9	16.8
Household appliances	17.0	16.6	16.7	16.7	16.9	16.8	16.9	16.8	17.3	17.2	17.3	17.3	17.2
Electric lighting and wiring equipment	17.9	18.1	18.1	18.0	17.9	17.8	17.7	17.8	18.0	17.9	17.8	17.8	18.0
Communication equipment	10.5	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.5	10.6	10.5	10.5	10.6
Transportation equipment	153.5	156.4	155.6	154.3	154.5	150.5	154.0	153.5	151.1	151.2	152.5	153.8	154.4
Motor vehicles and equipment	98.0	101.7	101.0	99.3	99.3	95.2	98.4	97.5	95.2	95.3	96.7	98.1	98.6
Aircraft and parts	46.2	45.5	45.3	45.6	45.9	46.0	46.3	46.7	46.8	46.8	46.8	46.4	46.5
Instruments and related products	23.0	23.3	23.1	23.1	23.3	23.3	23.4	22.3	22.9	23.1	23.0	22.8	23.0
Measuring and controlling devices	12.1	12.3	12.2	12.1	12.3	12.3	12.3	11.5	12.1	12.2	12.2	12.1	12.2
Nondurable Goods[c]	356.1	353.9	353.1	352.8	353.9	355.1	358.2	355.2	359.0	361.4	356.9	356.7	356.7
Food and kindred products	62.6	61.3	60.9	60.7	60.6	61.6	62.6	63.0	66.2	66.6	63.1	62.4	62.7
Meat products	9.6	9.4	9.4	9.4	9.4	9.6	9.8	9.9	9.8	9.7	9.4	9.6	9.6
Dairy products	10.0	9.5	9.5	9.6	9.8	10.0	10.2	10.3	10.2	10.3	10.1	10.1	10.1
Preserved fruits and vegetables	11.0	10.6	10.3	10.3	10.1	10.3	10.4	10.3	13.5	14.1	11.1	10.5	10.6
Bakery products	8.6	8.4	8.4	8.4	8.5	8.6	8.8	8.8	8.7	8.6	8.7	8.7	8.8
Beverages	10.0	9.6	9.6	9.6	9.5	9.8	10.1	10.4	10.4	10.3	10.2	10.2	10.0
Apparel and other textile products	16.3	16.6	16.2	16.2	16.0	16.1	16.0	15.5	16.1	16.5	16.7	16.9	16.4

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.3	37.6	37.4	37.3	37.0	37.1	37.1	36.9	36.8	37.4	37.2	37.5	37.6
Misc. converted paper products	11.8	12.0	12.0	11.9	11.7	11.7	11.6	11.5	11.8	11.9	11.9	11.9	11.9
Paperboard containers and boxes	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.5	12.4	12.6	12.6	12.8	12.8
Printing and publishing	68.6	67.8	67.6	67.6	68.0	68.1	68.9	68.9	68.9	69.3	69.4	69.4	69.1
Newspapers	19.1	18.6	18.6	18.7	18.7	18.9	19.4	19.4	19.4	19.4	19.5	19.6	19.6
Commercial printing	26.2	25.9	25.8	25.9	26.1	26.2	26.1	26.1	26.3	26.6	26.6	26.5	26.2
Chemicals and allied products	63.1	62.3	62.3	62.5	63.0	63.0	63.5	63.7	63.6	63.6	63.1	63.0	63.3
Industrial inorganic chemicals	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.8	10.0	10.0	10.0	10.2	10.2
Rubber and misc. plastics products	91.5	91.8	92.2	92.1	92.4	92.3	92.9	90.2	90.2	91.2	90.6	90.9	91.3
Tires and inner tubes	18.1	18.7	18.5	18.3	18.3	18.2	18.2	18.1	17.8	17.7	17.7	17.7	18.0
Miscellaneous plastics products	53.2	52.6	53.3	53.5	53.5	53.6	54.1	52.4	52.4	53.2	52.9	53.3	53.5
NONMANUFACTURING	3366.0	3238.7	3238.8	3264.5	3332.6	3379.5	3392.6	3372.5	3381.0	3422.4	3447.7	3458.0	3463.1
MINING	22.7	24.7	23.8	23.1	22.6	22.5	22.5	22.6	22.3	22.1	22.0	22.1	21.8
Bituminous coal and lignite mining	10.1	10.6	10.3	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.8	9.9	9.8
Oil and gas extraction	8.0	10.2	9.6	8.8	7.8	7.6	7.5	7.6	7.4	7.2	7.3	7.4	7.4
CONSTRUCTION	160.8	133.8	128.7	133.9	151.3	162.0	168.1	175.3	179.1	180.0	180.3	174.2	163.1
General building contractors	41.1	35.3	34.1	35.2	37.9	40.4	42.3	44.3	44.9	45.3	45.7	45.0	42.9
Heavy construction contractors	20.6	13.4	12.6	13.6	18.9	22.1	23.5	24.5	25.4	25.9	25.3	22.8	18.8
Highway and street construction	9.2	4.2	4.0	4.7	8.0	10.3	11.4	11.7	12.5	12.7	12.3	10.8	8.1
Special trade contractors	99.1	85.2	81.9	85.1	94.5	99.5	102.2	106.4	108.8	108.7	109.3	106.4	101.4
TRANSPORTATION AND PUBLIC UTILITIES	205.5	198.0	197.5	198.9	201.9	203.2	203.7	208.1	209.9	210.8	211.4	211.2	211.5
Railroad transportation	15.7	15.4	15.3	15.3	16.0	16.1	15.9	16.1	16.1	16.1	16.1	15.5	14.9
Transportation, except railroads	97.6	92.5	92.3	93.7	95.8	96.8	97.8	97.8	98.8	100.0	101.1	101.6	102.6
Trucking and warehousing	68.5	65.5	65.2	66.4	67.3	67.7	68.4	68.5	69.2	70.0	70.7	71.0	72.0
Communication, electric, gas services	92.2	90.1	89.9	90.0	90.0	90.2	90.0	94.2	95.0	94.6	94.3	94.2	94.0
Communication	50.7	48.9	48.8	48.8	48.8	48.8	49.0	52.8	52.6	52.5	52.4	52.4	52.3
Electric, gas, and sanitary services	41.5	41.2	41.1	41.2	41.2	41.4	41.0	41.4	42.4	42.1	41.8	41.7	41.7
WHOLESALE TRADE	246.0	242.9	241.9	242.3	244.2	245.6	247.0	247.1	247.9	247.6	248.2	248.9	249.1
Wholesale trade-durable goods	155.9	154.6	154.0	154.3	155.0	155.6	156.2	156.4	156.8	156.5	156.9	157.4	157.6
Motor vehicles & automotive equipment.	22.4	22.5	22.3	22.4	22.1	22.3	22.6	22.6	22.7	22.5	22.3	22.4	22.2
Electrical goods	20.6	20.7	20.6	20.6	20.3	20.3	20.3	20.5	20.5	20.6	20.8	21.0	21.2
Machinery, equipment, and supplies	67.3	66.8	66.6	66.5	67.1	67.3	67.4	67.5	67.5	67.4	67.7	67.8	67.8
Wholesale trade-nondurable goods	90.1	88.3	87.9	88.0	89.2	90.0	90.8	90.8	91.1	91.1	91.3	91.5	91.5
Groceries and related products	28.4	27.6	27.5	27.6	27.9	28.2	28.7	28.7	28.8	29.0	29.0	29.1	29.2
RETAIL TRADE	820.5	788.0	778.7	784.8	803.5	817.2	825.3	825.9	832.0	834.9	839.5	850.9	865.1
General merchandise stores	114.8	116.6	110.3	109.1	109.5	110.1	110.9	111.2	112.3	114.3	117.9	124.5	131.3
Department stores	102.7	104.6	98.7	97.5	97.9	98.2	98.8	99.2	100.3	102.2	105.4	111.7	117.7
Food stores	128.4	125.7	125.1	125.0	126.7	128.1	128.8	128.5	128.8	129.2	130.0	131.4	133.4
Automobile dealers and service stations.	91.0	87.9	88.2	88.9	90.3	90.9	91.9	92.2	92.6	92.5	92.2	92.1	92.3
Apparel and accessory stores	38.5	38.0	36.7	37.0	37.0	37.5	37.5	37.6	38.5	38.7	39.6	40.9	42.8
Eating and drinking places	288.6	267.5	268.3	273.4	285.2	293.0	297.5	297.4	299.8	299.5	295.3	293.5	293.3

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	231.8	223.4	224.2	225.3	228.1	230.6	233.5	236.1	236.4	235.4	235.4	236.0	237.1
Banking	61.5	60.7	60.8	60.9	61.0	61.2	61.7	62.3	62.3	61.8	61.6	61.7	62.2
Credit agencies other than banks	36.5	34.7	35.0	35.2	35.8	36.3	36.7	37.2	37.4	37.3	37.4	37.6	37.8
Insurance carriers	62.9	61.1	61.5	61.8	62.2	62.5	63.2	63.6	63.7	63.7	63.8	63.8	64.1
Life insurance	23.6	23.2	23.3	23.4	23.4	23.5	23.6	23.7	23.7	23.7	23.7	23.7	23.8
Fire, marine, and casualty insurance	28.5	27.9	28.0	28.2	28.4	28.3	28.6	28.8	28.8	28.7	28.7	28.7	28.7
SERVICES	998.8	949.7	956.8	965.7	990.8	1003.4	1012.8	1013.8	1015.5	1021.7	1019.1	1018.7	1017.4
Hotels and other lodging places	33.5	31.2	31.4	31.4	32.6	34.1	35.2	35.5	35.9	34.9	33.6	33.2	32.9
Personal services	54.0	53.4	53.8	54.2	55.0	53.3	53.3	53.1	53.3	53.7	54.7	55.0	55.4
Laundry, cleaning, & garment services.	18.1	17.4	17.4	17.6	18.0	18.2	18.3	18.2	18.0	18.1	18.6	18.6	18.5
Business services	191.6	177.7	178.7	180.5	186.8	189.2	191.9	195.3	197.8	199.6	199.9	200.5	201.2
Services to buildings	27.7	26.5	26.7	27.0	27.3	27.7	28.0	28.0	28.4	28.6	28.3	28.2	28.2
Computer and data processing services.	17.6	16.7	16.9	16.8	17.0	17.1	17.3	17.8	18.1	18.3	18.4	18.6	18.7
Amusement and recreation services	39.7	27.3	27.8	29.8	37.3	45.4	51.2	52.7	52.5	47.7	37.1	34.2	33.1
Health services	344.0	335.0	335.9	337.2	339.7	341.4	344.5	347.4	347.3	348.6	348.9	350.7	352.0
Nursing and personal care facilities	76.0	73.5	73.8	74.2	74.8	75.5	76.7	77.1	77.2	77.3	77.0	77.2	77.5
Hospitals	169.9	166.2	166.5	166.9	168.3	168.5	169.6	171.4	171.0	171.8	172.0	172.9	173.4
Educational services	58.5	61.3	64.4	64.1	63.6	60.7	54.7	46.7	45.4	55.5	61.7	63.1	61.2
Colleges and universities	31.5	33.6	36.4	35.9	35.4	32.3	27.4	23.0	22.2	29.3	34.0	35.1	33.3
GOVERNMENT	679.8	678.0	687.3	690.5	690.1	694.9	679.8	643.5	637.9	670.0	691.8	696.1	698.0
Federal government	93.8	93.2	93.1	93.7	93.7	94.0	94.3	94.6	94.5	93.8	93.3	93.4	94.0
State government	148.1	147.5	152.0	153.0	154.3	153.7	145.9	132.0	131.4	141.4	154.2	155.1	156.5
State government education[d]	76.3	78.2	82.4	83.2	82.4	82.4	72.3	57.9	56.3	68.8	82.8	84.0	84.6
State government, except education	71.8	69.3	69.6	69.8	72.0	71.3	73.6	74.1	75.1	72.6	71.3	71.2	71.9
Local government	437.9	437.3	442.2	443.8	442.1	447.1	439.6	416.9	412.0	434.8	444.3	447.6	447.5
Local government education	251.8	254.7	260.5	261.6	259.2	261.6	248.5	221.2	218.8	248.1	260.0	263.5	263.7
Local government, except education	186.2	182.6	181.6	182.2	182.9	185.6	191.1	195.8	193.2	186.7	184.3	184.0	183.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-0 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4372.9	4237.6	4238.9	4282.7	4347.3	4405.8	4413.1	4379.5	4383.8	4427.7	4444.4	4454.2	4459.4
MANUFACTURING	1124.2	1122.7	1121.0	1124.2	1124.1	1128.9	1131.3	1124.6	1123.0	1124.7	1121.4	1122.8	1122.9
Durable Goods[b]	768.7	771.2	769.8	772.6	771.4	774.1	774.9	768.9	763.1	763.2	764.0	765.5	766.0
Lumber and wood products	17.0	15.3	15.2	15.6	16.6	17.1	17.5	17.5	17.9	17.7	17.8	18.0	17.7
Furniture and fixtures	14.7	15.2	15.0	15.2	14.7	14.9	14.7	14.6	14.8	14.5	14.5	14.3	14.3
Stone, clay, and glass products	50.5	49.7	49.1	49.5	50.0	50.6	51.0	50.5	51.5	51.4	51.2	50.8	50.1
Glass and glassware, pressed or blown.	11.5	12.4	12.3	12.1	11.8	11.6	11.4	10.6	11.2	11.2	11.2	11.1	11.1
Primary metal industries	101.8	105.0	105.1	105.7	104.6	104.7	103.9	101.1	98.1	97.8	97.6	98.9	99.3
Blast furnace and basic steel products	45.8	47.6	48.2	48.9	48.2	48.3	47.8	45.8	42.6	41.9	42.2	44.0	44.4
Iron and steel foundries	21.3	22.0	21.7	21.6	21.3	21.6	21.5	21.2	21.3	21.2	20.8	20.6	20.7
Nonferrous rolling and drawing	18.7	18.9	18.7	18.8	18.8	18.6	18.6	18.7	18.7	19.0	18.7	18.5	18.7
Fabricated metal products	139.5	138.8	138.7	138.8	139.5	140.9	140.8	139.5	139.1	140.2	140.0	139.3	138.2
Cutlery, hand tools, and hardware	11.3	11.7	11.7	11.6	11.4	11.5	11.4	11.1	11.1	111.2	11.2	11.2	11.1
Fabricated structural metal products	29.1	28.1	27.8	28.2	28.5	29.3	29.4	29.8	29.9	30.0	29.8	29.4	29.0
Metal forgings and stampings	44.4	44.8	44.6	44.6	44.9	45.2	45.0	43.7	42.9	44.0	44.4	44.3	43.9
Machinery, except electrical	166.1	169.3	168.5	168.9	168.5	167.4	167.6	165.9	163.9	164.0	163.4	162.7	162.5
Construction and related machinery	15.2	16.0	16.0	16.0	15.8	15.4	15.4	15.3	14.9	14.6	14.3	14.2	14.0
Metalworking machinery	42.7	42.7	42.7	42.9	42.8	42.7	42.7	42.9	42.7	42.6	42.6	42.3	42.3
Special industry machinery	18.0	18.5	18.3	18.3	18.2	18.1	18.2	17.9	17.7	18.0	17.8	17.7	17.7
General industrial machinery	30.5	32.0	31.5	31.2	30.8	30.6	30.6	30.4	30.1	30.1	29.6	29.3	29.3
Office and computing machines	13.6	13.7	13.6	13.7	13.7	13.7	13.9	13.8	13.6	13.4	13.4	13.5	13.5
Refrigeration and service machinery	17.0	17.1	17.3	17.4	17.5	17.3	17.3	16.9	16.3	16.6	16.6	16.6	16.7
Electric and electronic equipment	90.7	93.4	92.9	92.6	91.3	90.6	90.4	90.0	90.3	90.1	89.1	88.2	89.2
Electrical industrial apparatus	18.2	18.6	18.6	18.5	18.4	18.3	18.2	18.0	18.0	18.0	17.8	17.8	17.7
Household appliances	16.7	17.1	17.0	17.0	16.4	16.4	16.6	16.5	17.0	16.9	16.2	16.4	16.4
Electric lighting and wiring equipment	18.1	18.6	18.6	18.4	18.2	17.9	17.8	17.8	17.9	17.9	17.9	17.9	17.9
Communication equipment	10.9	11.5	11.3	11.3	11.1	10.9	10.9	10.8	10.7	10.8	10.6	10.7	10.7
Transportation equipment	151.2	147.7	148.5	149.6	149.3	150.6	151.9	152.0	149.4	149.9	152.9	156.0	157.2
Motor vehicles and equipment	99.3	97.7	98.4	99.0	98.2	99.3	99.8	99.9	96.7	96.2	101.7	102.0	102.8
Aircraft and parts	43.0	41.0	41.0	41.4	41.8	42.3	43.0	42.9	43.8	44.1	44.4	44.9	45.3
Instruments and related products	23.1	23.1	23.0	22.9	22.9	22.9	22.9	23.1	23.2	22.3	23.3	23.4	23.5
Measuring and controlling devices	12.4	12.6	12.5	12.3	12.3	12.2	12.2	12.3	12.4	12.4	12.4	12.5	12.5
Nondurable Goods[c]	355.5	351.5	351.2	351.6	352.6	354.8	356.4	355.7	359.9	357.3	357.3	356.9	361.1
Food and kindred products	62.9	61.5	60.7	61.1	61.2	61.9	62.8	63.1	65.5	63.8	63.0	63.2	66.3
Meat products	10.1	10.2	10.1	10.2	9.6	9.9	10.3	9.9	10.2	10.1	10.2	10.0	10.1
Dairy products	9.7	9.4	9.4	9.5	9.7	9.8	10.0	10.0	9.9	9.7	9.6	9.6	9.8
Preserved fruits and vegetables	11.0	10.6	10.2	10.3	10.3	10.3	10.4	10.7	12.7	11.5	10.8	10.7	13.9
Bakery products	8.7	8.3	8.4	8.4	8.6	8.6	8.8	9.0	8.9	8.8	8.8	8.9	8.7
Beverages	9.9	9.6	9.6	9.7	9.8	10.0	10.2	10.1	10.2	9.8	9.6	9.7	10.0
Apparel and other textile products	16.9	16.7	16.8	16.9	16.8	16.9	16.8	16.7	16.9	17.2	17.1	16.9	17.0

See footnotes at end of table.

RS-790-1-0 (1985)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.0	36.8	37.0	36.9	36.9	36.9	36.8	36.9	37.3	37.3	37.2	37.3	37.4
Misc. converted paper products	12.0	12.1	12.0	12.0	12.1	12.1	11.9	11.9	12.3	12.2	11.9	11.9	12.0
Paperboard containers and boxes	12.3	12.2	12.2	12.1	12.1	12.2	12.2	12.2	12.3	12.4	12.4	12.4	12.4
Printing and publishing	66.8	65.7	65.8	65.8	66.4	66.8	66.7	66.6	66.8	67.0	67.5	68.2	68.5
Newspapers	18.5	18.2	18.2	18.3	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.7	18.8
Commercial printing	25.1	24.7	24.5	24.7	25.0	25.0	24.9	24.8	25.1	25.4	25.8	25.9	26.1
Chemicals and allied products	62.8	62.3	62.2	62.4	63.0	63.2	63.3	63.5	63.9	63.3	61.7	62.3	62.3
Industrial inorganic chemicals	10.4	10.7	10.7	10.7	10.8	10.7	10.4	10.2	10.6	10.2	9.4	10.0	10.1
Rubber and misc. plastics products	91.4	91.3	91.4	91.1	90.9	91.2	91.7	91.0	91.1	92.0	92.1	91.9	91.6
Tires and inner tubes	19.9	20.5	20.6	20.5	20.5	20.4	20.2	19.7	19.5	19.3	19.3	19.1	18.9
Miscellaneous plastics products	51.2	50.5	50.4	50.3	50.2	50.6	51.0	51.0	51.4	52.3	52.4	52.1	52.2
NONMANUFACTURING	3248.6	3114.9	3117.9	3158.6	3223.2	3276.9	3281.8	3254.9	3260.7	3303.5	3323.1	3331.4	3336.5
MINING	26.1	26.5	25.8	26.0	26.2	26.4	26.5	26.5	25.9	26.0	25.8	25.8	25.4
Bituminous coal and lignite mining	10.8	10.8	10.6	10.9	11.1	11.0	10.9	10.9	10.6	10.7	10.7	10.6	10.5
Oil and gas extraction	10.8	11.8	11.5	11.1	10.7	10.7	10.8	10.8	10.7	10.5	10.4	10.5	10.6
CONSTRUCTION	154.0	127.5	120.8	130.0	145.2	156.4	161.5	168.4	172.1	172.3	172.6	165.3	156.2
General building contractors	38.3	33.0	30.9	33.3	36.3	38.5	40.0	41.7	42.0	41.6	42.2	41.5	39.3
Heavy construction contractors	20.4	13.6	12.4	14.0	18.2	22.2	23.7	24.9	25.0	25.2	24.8	21.5	18.9
Highway and street construction	8.6	4.0	3.7	4.6	7.3	10.0	10.9	11.4	11.8	11.8	11.3	9.4	7.2
Special trade contractors	95.3	80.9	77.6	82.7	90.7	95.8	97.8	101.9	105.1	105.5	105.6	102.3	97.9
TRANSPORTATION AND PUBLIC UTILITIES	202.7	197.8	198.2	199.3	201.7	203.5	204.9	204.0	204.3	204.9	204.9	204.6	204.5
Railroad transportation	17.0	17.3	16.9	16.5	17.2	17.6	17.6	17.3	17.4	17.2	17.0	16.6	16.0
Transportation, except railroads	95.4	91.2	91.9	93.3	94.7	95.7	96.5	95.8	95.9	97.1	97.4	97.6	98.2
Trucking and warehousing	68.5	66.1	66.6	67.6	67.8	68.4	68.9	68.8	68.6	69.3	69.5	69.7	70.4
Communication, electric, gas services ..	90.2	89.4	89.4	89.5	89.8	90.2	90.8	90.8	91.0	90.6	90.5	90.4	90.3
Communication	49.5	49.2	49.3	49.4	49.6	49.7	49.9	49.6	49.7	49.6	49.5	49.4	49.0
Electric, gas, and sanitary services..	40.7	40.1	40.0	40.1	40.2	40.4	40.9	41.2	41.3	41.0	41.1	41.1	41.2
WHOLESALE TRADE	243.7	240.4	240.3	242.0	243.4	245.2	245.7	244.6	244.7	244.3	244.7	244.8	244.8
Wholesale trade-durable goods	154.9	152.5	152.4	153.8	154.8	155.9	156.1	155.6	155.6	154.9	155.6	155.7	155.7
Motor vehicles & automotive equipment.	22.7	22.9	22.9	23.5	23.3	23.2	23.1	22.8	22.5	22.1	21.9	22.0	21.9
Electrical goods	20.6	20.1	20.1	20.1	20.3	20.5	20.7	20.5	20.6	20.6	20.9	21.0	21.2
Machinery, equipment, and supplies ...	66.0	64.3	64.5	64.9	65.4	66.0	66.3	66.4	66.6	66.5	67.1	67.2	67.4
Wholesale trade-nondurable goods	88.9	87.9	87.8	88.2	88.6	89.3	89.6	89.1	89.1	89.4	89.1	89.2	89.2
Groceries and related products	27.7	27.3	27.2	27.4	27.5	27.7	27.9	27.8	27.9	28.0	27.8	27.8	27.9
RETAIL TRADE	787.9	752.9	740.1	751.5	772.2	789.9	795.7	795.0	800.8	802.4	805.6	817.7	831.2
General merchandise stores	114.7	116.2	108.8	109.0	109.7	111.5	111.6	110.7	112.1	113.9	117.2	124.4	130.7
Department stores	104.0	106.8	99.6	99.7	100.0	101.4	101.3	100.2	101.2	102.6	105.3	112.1	117.9
Food stores	125.4	121.1	120.8	121.5	123.2	125.1	125.6	126.7	127.0	127.3	127.3	128.8	130.9
Automobile dealers and service stations.	86.6	82.8	82.7	83.9	86.0	87.2	88.1	88.1	88.3	88.3	88.1	88.2	88.0
Apparel and accessory stores	37.1	35.9	34.8	35.2	35.7	36.3	36.4	36.2	37.1	37.3	38.3	39.6	41.9
Eating and drinking places	274.2	253.7	252.5	259.3	271.2	280.2	283.5	283.4	285.6	284.7	280.0	278.6	278.1

See footnotes at end of table.

3.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	219.3	212.7	213.2	214.1	215.5	217.8	220.4	222.3	223.1	222.7	222.7	223.4	224.3
Banking	59.5	58.3	58.2	58.3	58.7	59.0	59.8	60.4	60.4	60.3	60.1	60.2	60.5
Credit agencies other than banks	34.2	33.6	33.5	33.9	33.6	33.8	34.0	34.4	34.5	34.4	34.8	35.0	35.1
Insurance carriers	59.2	57.2	57.7	57.8	58.2	58.7	59.3	59.5	60.0	60.3	60.2	60.7	61.3
Life insurance	22.5	21.6	21.8	21.9	22.0	22.2	22.5	22.6	22.9	23.1	23.0	23.3	23.6
Fire, marine, and casualty insurance..	27.7	27.1	27.3	27.3	27.4	27.6	27.8	28.0	28.0	28.0	27.9	28.0	28.1
SERVICES	949.5	903.6	910.0	920.0	943.5	958.0	963.8	963.5	965.8	972.7	967.7	964.1	961.7
Hotels and other lodging places	32.5	29.5	29.7	30.1	31.8	33.3	34.4	34.7	35.3	34.3	32.8	32.5	32.2
Personal services	51.7	50.6	50.9	51.5	53.4	52.5	51.6	51.0	51.0	51.7	51.7	52.0	52.4
Laundry, cleaning, & garment services.	17.6	17.1	17.0	17.2	17.6	18.0	17.9	17.6	17.6	17.6	17.8	18.0	17.8
Business services	172.7	160.6	161.7	164.4	168.8	171.3	173.0	175.4	177.8	179.5	180.3	179.6	179.6
Services to buildings	25.9	24.6	25.0	25.4	25.5	26.1	26.2	26.2	26.7	26.9	26.3	26.1	26.1
Computer and data processing services.	15.8	14.9	14.9	14.9	15.4	15.4	15.6	16.1	16.3	16.3	16.4	16.5	16.6
Amusement and recreation services	39.0	28.1	28.0	29.7	36.6	44.8	50.0	51.4	50.7	47.7	36.6	32.7	31.5
Health services	329.9	323.4	323.4	324.2	325.9	327.8	330.3	332.0	333.1	333.5	334.3	334.9	336.1
Nursing and personal care facilities..	71.7	68.7	68.8	69.0	70.0	70.8	71.6	72.6	73.1	73.5	73.7	74.3	74.5
Hospitals	165.9	165.3	165.2	165.1	165.2	165.5	166.4	166.8	166.5	166.3	166.0	166.0	166.2
Educational services	59.0	59.8	63.7	63.4	62.9	60.2	54.2	48.9	47.6	57.7	63.1	64.5	62.5
Colleges and universities	32.3	33.1	36.5	36.1	35.6	32.8	27.5	25.0	23.9	31.3	35.4	36.5	34.5
GOVERNMENT	665.2	653.5	669.6	675.7	675.4	679.7	663.3	630.6	624.1	658.2	679.0	685.6	688.3
Federal government	92.1	89.5	89.5	89.6	91.7	91.6	92.6	93.8	93.9	93.3	92.5	93.3	94.0
State government	142.9	136.4	147.6	149.9	149.4	148.4	139.7	127.0	125.8	136.8	149.9	151.3	152.6
State government education[d]	73.2	67.9	79.0	81.0	79.3	79.2	68.4	55.5	54.5	66.8	81.1	82.6	83.0
State government, except education ...	69.7	68.5	68.6	68.9	70.1	69.2	71.3	71.5	71.3	70.0	68.8	68.7	69.6
Local government	430.3	427.7	432.5	436.3	434.4	439.7	430.9	409.8	404.4	428.1	436.6	441.0	441.7
Local government education	245.5	246.3	252.8	255.9	253.5	256.7	240.5	215.3	212.1	242.4	253.4	258.1	258.7
Local government, except education ...	184.8	181.3	179.6	180.4	180.8	183.0	190.4	194.5	192.3	185.8	183.2	182.9	183.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-0 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a]

1.

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.56	$11.57	$11.58	$11.57	$11.52	$11.49	$11.50	$11.49	$11.49	$11.52	$11.54	$11.67	$11.79
Durable Goods[b]	11.98	12.04	12.04	12.03	11.96	11.90	11.90	11.86	11.90	11.93	11.93	12.07	12.21
Lumber and wood products	7.23	7.09	7.14	7.23	7.20	7.18	7.25	7.18	7.35	7.33	7.31	7.26	7.23
Furniture and fixtures	8.37	8.33	8.35	8.31	8.31	8.32	8.29	8.35	8.31	8.44	8.47	8.47	8.53
Stone, clay, and glass products	10.72	10.69	10.58	10.73	10.65	10.73	10.74	10.76	10.84	10.76	10.73	10.73	10.73
Glass and glassware, pressed or blown	11.44	11.45	11.30	11.24	11.31	11.43	11.42	11.48	11.50	11.68	11.69	11.35	11.48
Primary metal industries	13.30	13.26	13.33	13.24	13.23	13.20	13.21	13.27	13.36	13.20	13.29	13.45	13.52
Blast furnace and basic steel products	13.62	13.32	13.53	13.42	13.43	13.45	13.48	13.77	13.75	13.51	13.75	13.94	14.06
Iron and steel foundries	13.80	14.15	14.00	13.98	13.83	13.71	13.61	13.30	13.72	13.62	13.69	13.95	13.97
Nonferrous rolling and drawing	13.86	14.01	13.84	13.74	13.80	13.75	13.84	13.99	14.01	13.93	13.84	13.79	13.73
Fabricated metal products	11.70	11.78	11.73	11.83	11.73	11.58	11.68	11.50	11.54	11.66	11.60	11.78	11.91
Cutlery, hand tools, and hardware	11.99	12.28	12.20	12.34	12.08	11.85	11.91	11.70	11.75	11.80	11.87	11.91	12.01
Fabricated structural metal products	10.27	10.04	10.02	10.21	10.19	10.12	10.21	10.16	10.26	10.47	10.36	10.65	10.55
Metal forgings and stampings	14.31	14.38	14.36	14.47	14.32	14.21	14.34	14.07	14.31	14.22	14.18	14.33	14.53
Machinery, except electrical	11.47	11.35	11.35	11.43	11.40	11.43	11.42	11.46	11.50	11.53	11.49	11.53	11.77
Construction and related machinery	10.14	9.99	10.04	9.99	10.03	10.13	10.06	10.22	10.26	10.25	10.29	10.18	10.22
Metalworking machinery	10.99	10.79	10.88	10.94	10.97	10.97	10.93	11.00	11.00	11.05	11.04	11.12	11.22
Special industry machinery	10.85	10.75	10.68	10.72	10.71	10.81	10.79	10.91	10.91	10.88	10.95	11.03	11.16
General industrial machinery	11.95	11.74	11.84	11.99	11.92	11.94	11.87	11.90	11.80	12.02	12.15	12.10	12.21
Office and computing machines	9.41	9.07	9.30	9.28	9.37	9.30	9.31	9.30	9.62	9.55	9.49	9.59	9.69
Refrigeration and service machinery	13.47	13.60	13.35	13.41	13.07	13.20	13.25	13.61	13.47	13.64	13.38	13.28	14.30
Electric and electronic equipment	11.00	11.00	10.98	11.00	10.99	10.98	10.91	10.85	10.90	10.99	10.98	11.09	11.34
Electrical industrial apparatus	10.78	10.84	10.94	11.01	10.95	10.86	10.68	10.72	10.51	10.68	10.74	10.74	10.72
Household appliances	11.44	11.43	11.31	11.37	11.45	11.35	11.33	11.29	11.56	11.48	11.35	11.39	11.88
Electric lighting and wiring equipment	11.20	10.90	11.01	11.01	11.09	11.14	11.07	10.76	11.05	11.25	11.30	11.58	12.12
Communication equipment	11.78	11.99	11.87	11.84	11.82	12.06	11.74	11.40	11.64	11.68	11.72	11.79	11.74
Transportation equipment	14.30	14.37	14.43	14.39	14.28	14.20	14.17	14.10	14.17	14.27	14.27	14.43	14.46
Motor vehicles and equipment	14.84	15.02	15.08	15.04	14.90	14.79	14.71	14.58	14.64	14.72	14.76	14.88	14.90
Aircraft and parts	13.02	12.59	12.78	12.72	12.74	12.75	12.80	13.01	13.12	13.30	13.23	13.61	13.56
Instruments and related products	9.00	8.97	8.95	9.04	8.96	8.98	8.87	8.93	8.99	8.98	8.95	9.05	9.30
Measuring and controlling devices	9.05	9.02	9.04	9.14	9.04	9.09	8.98	9.00	9.06	8.99	8.88	9.04	9.35
Nondurable Goods[c]	10.57	10.42	10.47	10.47	10.43	10.53	10.57	10.61	10.56	10.59	10.66	10.70	10.78
Food and kindred products	10.02	9.91	9.95	9.86	9.83	10.04	10.07	10.19	9.86	9.89	10.16	10.14	10.35
Meat products	9.20	9.15	8.92	9.06	9.01	9.23	9.20	9.71	9.14	9.23	9.21	9.22	9.24
Dairy products	10.52	10.15	10.35	10.40	10.48	10.50	10.48	10.49	10.65	10.64	10.69	10.67	10.79
Preserved fruits and vegetables	9.51	9.56	9.62	9.42	9.28	9.48	9.59	9.48	9.13	9.03	9.81	9.89	10.17
Bakery products	11.51	11.32	11.31	11.35	11.52	11.40	11.44	11.48	11.47	11.69	11.67	11.65	11.74
Beverages	10.12	10.17	10.01	9.90	9.78	10.22	10.30	10.38	10.18	10.32	10.09	9.99	9.98
Apparel and other textile products	7.21	7.10	7.23	7.25	7.22	7.16	7.18	7.34	7.26	7.26	7.16	7.14	7.22

See footnotes at end of table.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$10.95	$10.79	$10.82	$10.75	$10.74	$10.86	$10.89	$11.05	$10.96	$11.07	$11.13	$11.14	$11.23
Misc. converted paper products	10.14	9.97	10.05	9.79	9.88	10.10	10.14	10.33	10.24	10.27	10.26	10.29	10.40
Paperboard containers and boxes	9.82	9.50	9.60	9.68	9.62	9.79	9.80	9.89	9.84	9.99	9.96	10.04	10.10
Printing and publishing	10.64	10.45	10.46	10.56	10.47	10.58	10.60	10.62	10.67	10.73	10.77	10.87	10.90
Newspapers	10.15	9.83	9.86	9.97	9.92	10.20	10.17	10.30	10.18	10.22	10.34	10.30	10.44
Commercial printing	10.31	10.19	10.15	10.27	10.09	10.15	10.22	10.28	10.43	10.41	10.43	10.58	10.44
Chemicals and allied products	12.21	12.01	12.09	12.12	12.17	12.20	12.28	12.09	12.23	12.28	12.25	12.36	12.42
Industrial inorganic chemicals	13.22	12.92	13.00	12.98	13.01	13.35	13.33	13.32	13.37	13.46	13.37	13.28	13.27
Rubber and misc. plastics products	10.28	10.23	10.22	10.20	10.13	10.24	10.27	10.32	10.37	10.36	10.38	10.38	10.33
Tires and inner tubes	13.86	13.65	13.70	13.63	13.72	13.80	14.00	14.01	14.15	13.84	14.06	14.00	13.75
Miscellaneous plastics products	9.97	9.91	9.91	9.91	9.78	9.92	9.94	9.95	10.01	10.07	10.08	10.09	10.07
MINING	11.95	11.86	11.80	11.73	11.86	11.91	11.82	11.77	12.05	12.08	11.96	12.16	12.43
Bituminous coal and lignite mining	14.89	14.90	14.73	14.60	14.71	14.77	14.68	14.56	14.99	15.07	15.01	15.29	15.43
CONSTRUCTION	14.97	15.60	15.38	15.25	14.92	15.10	14.90	14.77	14.97	14.87	14.82	14.81	14.64
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.13	12.82	12.82	13.00	12.93	13.00	13.12	13.13	13.12	13.31	13.41	13.38	13.44
Communication	13.04	12.72	12.74	12.95	12.82	12.86	13.07	13.10	12.96	13.17	13.34	13.28	13.38
Electric, gas, and sanitary services	13.24	12.94	12.92	13.06	13.07	13.18	13.17	13.17	13.32	13.48	13.50	13.50	13.52
WHOLESALE TRADE	9.30	9.15	9.20	9.23	9.25	9.29	9.34	9.31	9.31	9.35	9.38	9.37	9.45
Wholesale trade-durable goods	9.17	9.01	9.03	9.08	9.12	9.16	9.24	9.19	9.18	9.24	9.23	9.21	9.30
Wholesale trade-nondurable goods	9.54	9.40	9.51	9.49	9.48	9.52	9.52	9.51	9.54	9.55	9.64	9.64	9.69
RETAIL TRADE[d]	5.48	5.42	5.47	5.46	5.44	5.44	5.44	5.46	5.43	5.53	5.54	5.52	5.57
General merchandise stores	6.02	5.88	5.98	6.00	6.05	6.12	6.11	6.07	6.05	6.09	6.07	6.01	5.84
Department stores	6.17	6.01	6.13	6.15	6.20	6.27	6.26	6.22	6.19	6.23	6.22	6.16	6.01
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.51	9.29	9.33	9.37	9.42	9.45	9.51	9.52	9.57	9.63	9.67	9.68	9.69

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-0 (1986)

1.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.1	42.2	42.2	42.2	41.8	41.8	41.9	41.4	41.9	42.3	41.9	42.6	43.1
Durable Goods[b]	42.4	42.5	42.6	42.6	42.2	42.0	42.1	41.4	42.1	42.5	42.1	42.9	43.5
Lumber and wood products	40.6	39.9	39.4	39.9	39.7	40.2	40.8	41.4	41.6	41.2	41.4	41.0	40.4
Furniture and fixtures	40.9	39.4	40.6	41.5	41.5	40.7	40.9	39.7	40.5	41.3	41.2	41.3	42.1
Stone, clay, and glass products	41.4	40.9	41.1	41.6	41.7	41.6	41.3	41.1	41.5	41.6	41.7	41.2	41.1
Glass and glassware, pressed or blown	41.6	40.7	41.2	42.3	42.2	42.2	41.5	40.9	41.1	42.1	43.3	41.2	40.6
Primary metal industries	42.1	41.9	42.1	41.6	41.3	41.5	41.4	41.3	42.4	42.4	42.4	43.4	44.1
Blast furnace and basic steel products	41.3	39.9	40.7	40.3	40.0	40.3	40.2	41.5	42.2	41.5	42.2	42.8	44.2
Iron and steel foundries	43.6	43.9	44.3	43.7	42.6	42.8	42.9	40.8	43.6	44.1	43.5	45.2	45.5
Nonferrous rolling and drawing	41.1	42.7	41.9	40.9	41.9	40.9	40.3	40.0	40.9	41.2	40.5	41.4	41.0
Fabricated metal products	42.3	42.5	42.3	42.8	42.2	42.0	42.3	41.1	42.2	42.4	42.1	42.7	43.3
Cutlery, hand tools, and hardware	40.0	41.3	40.5	41.2	39.3	40.0	39.7	38.6	39.3	38.9	39.6	40.9	40.3
Fabricated structural metal products	42.8	42.2	41.3	42.7	42.3	42.8	43.0	42.3	44.2	43.4	42.6	43.0	43.1
Metal forgings and stampings	43.9	44.2	44.4	44.5	44.0	43.3	43.8	41.8	43.1	44.2	43.6	44.6	45.7
Machinery, except electrical	42.3	42.3	42.6	42.8	42.3	42.1	42.3	41.3	41.9	42.1	42.0	42.7	43.4
Construction and related machinery	40.3	40.5	40.3	40.0	39.7	39.5	39.7	39.1	40.3	40.7	41.0	41.4	41.8
Metalworking machinery	42.5	42.3	42.5	43.3	42.7	42.5	42.6	41.9	41.7	42.4	42.1	42.8	43.7
Special industry machinery	42.3	41.7	41.8	42.1	42.1	42.9	43.5	41.8	42.0	42.2	41.8	42.9	43.1
General industrial machinery	42.1	41.9	42.6	42.6	42.0	42.0	42.3	41.5	41.1	41.7	42.3	42.6	43.1
Office and computing machines	42.6	41.3	42.7	42.5	42.3	42.6	42.7	41.8	43.6	41.7	42.1	43.2	44.5
Refrigeration and service machinery	43.1	44.9	44.1	43.6	42.1	42.7	43.2	41.9	42.1	44.2	42.9	42.8	43.0
Electric and electronic equipment	41.8	41.3	41.9	41.8	41.2	41.1	41.3	41.3	41.5	42.3	41.6	42.5	43.2
Electrical industrial apparatus	40.7	40.9	40.7	41.0	40.7	40.3	40.7	40.8	40.1	40.9	40.7	41.5	40.1
Household appliances	41.9	41.5	41.6	40.6	41.1	40.1	40.8	41.5	42.4	43.3	41.5	43.3	45.0
Electric lighting and wiring equipment	41.5	39.1	41.6	41.4	42.2	41.6	41.8	39.6	40.8	42.0	41.8	42.0	43.9
Communication equipment	41.7	42.4	41.7	41.7	41.6	42.8	41.3	40.6	41.3	42.2	40.4	42.3	41.6
Transportation equipment	44.2	45.2	45.2	44.8	44.3	43.7	43.5	42.6	43.5	44.1	42.8	44.8	45.4
Motor vehicles and equipment	44.2	45.8	45.4	45.1	44.3	43.9	43.9	42.5	43.3	43.9	42.3	44.4	45.3
Aircraft and parts	44.7	43.4	44.9	44.4	45.2	44.3	44.2	44.2	44.8	45.2	44.2	45.9	46.0
Instruments and related products	39.9	39.9	39.3	40.1	39.1	39.8	39.7	39.9	38.9	39.9	39.7	40.3	42.2
Measuring and controlling devices	38.3	38.5	37.9	38.6	37.5	38.6	38.5	39.0	36.6	38.5	37.9	38.5	39.5
Nondurable Goods[c]	41.6	41.7	41.3	41.4	40.9	41.3	41.6	41.3	41.6	41.9	41.7	42.0	42.2
Food and kindred products	41.6	40.9	40.5	40.1	40.6	41.8	41.5	42.3	42.9	42.5	42.0	41.8	42.2
Meat products	40.8	40.0	39.0	40.1	40.0	42.7	41.2	41.5	42.0	40.5	40.4	41.2	40.5
Dairy products	42.8	42.1	42.1	42.4	42.8	42.8	43.0	44.3	43.2	42.3	42.3	43.1	43.5
Preserved fruits and vegetables	41.4	40.7	40.6	39.4	39.8	40.7	40.1	40.6	45.0	43.5	42.0	40.7	41.5
Bakery products	39.2	38.4	38.1	37.5	38.3	38.3	39.9	41.1	40.0	39.3	39.9	40.2	39.4
Beverages	41.4	40.9	38.8	39.4	41.8	42.1	41.7	42.2	41.8	42.9	42.1	41.4	42.1
Apparel and other textile products	37.4	37.7	37.0	37.7	37.7	36.9	37.2	36.9	37.2	37.3	37.9	37.6	37.7

See footnotes at end of table.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	44.5	44.6	44.8	44.0	44.0	44.1	44.2	44.9	44.1	45.1	44.5	44.3	44.8
Misc. converted paper products	44.6	44.2	44.8	44.1	43.6	44.4	44.6	45.1	44.9	45.7	44.9	44.2	45.0
Paperboard containers and boxes	42.4	42.5	42.7	41.6	42.5	42.0	42.1	41.9	41.9	43.6	42.4	43.1	43.0
Printing and publishing	38.6	38.6	38.3	38.7	38.1	38.5	38.0	38.3	38.5	38.9	38.9	39.5	39.4
Newspapers	34.3	33.5	33.0	33.4	33.8	35.0	34.5	33.9	34.2	34.9	34.6	35.1	36.1
Commercial printing	39.8	39.9	39.9	40.2	39.4	39.2	38.2	39.1	39.9	40.3	40.5	41.0	39.7
Chemicals and allied products	42.1	42.3	41.9	42.5	41.4	41.8	42.4	41.6	41.7	42.2	41.8	42.2	43.0
Industrial inorganic chemicals	41.7	42.8	41.7	41.2	40.6	41.1	42.3	41.3	41.6	42.2	41.2	41.8	42.2
Rubber and misc. plastics products	42.7	43.3	42.9	43.0	41.8	42.3	43.2	41.8	42.3	42.6	42.7	43.1	43.0
Tires and inner tubes	45.7	47.0	46.0	45.7	45.8	45.3	46.7	45.2	46.7	45.4	45.2	45.3	44.5
Miscellaneous plastics products	42.5	42.8	42.8	43.0	41.4	42.0	42.9	41.5	41.9	42.3	42.5	43.2	43.1
MINING	43.6	44.5	43.5	43.3	43.1	43.0	43.5	43.5	43.5	44.6	43.2	43.5	44.4
Bituminous coal and lignite mining	41.6	42.7	42.3	42.1	41.6	41.7	41.4	40.6	42.1	42.2	39.8	40.8	42.0
CONSTRUCTION	38.7	38.6	37.2	37.7	38.9	38.9	39.0	37.9	39.8	39.6	39.7	38.2	38.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.9	40.3	40.2	40.7	40.5	40.5	41.0	41.4	40.9	41.3	41.2	41.2	41.2
Communication	40.4	39.5	39.5	40.1	39.8	39.9	40.7	41.3	40.5	41.0	40.9	40.8	41.1
Electric, gas, and sanitary services..	41.4	41.3	41.0	41.5	41.3	41.2	41.3	41.6	41.4	41.6	41.6	41.6	41.4
WHOLESALE TRADE	39.4	39.1	38.8	39.1	39.5	39.4	39.3	39.6	39.4	39.4	39.4	39.7	39.6
Wholesale trade-durable goods	39.5	39.6	39.2	39.5	39.7	39.5	39.5	39.6	39.5	39.7	39.5	39.6	39.6
Wholesale trade-nondurable goods	39.0	38.3	38.0	38.3	39.2	39.2	39.1	39.5	39.1	38.9	39.1	39.7	39.6
RETAIL TRADE	28.7	28.3	28.1	28.2	28.5	28.8	29.1	29.4	29.3	28.8	28.6	28.5	29.1
General merchandise stores	29.6	28.2	28.1	28.3	29.6	29.7	30.3	31.0	30.4	30.0	29.6	29.1	31.1
Department stores	29.7	28.2	28.1	28.3	29.7	29.8	30.4	31.1	30.5	30.1	29.6	29.1	31.1
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.5	33.7	33.5	33.4	33.4	33.4	33.4	33.7	33.6	33.7	33.3	33.1	33.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-0 (1986)

1.

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$486.68	$488.25	$488.68	$488.25	$481.54	$480.28	$481.85	$475.69	$481.43	$487.30	$483.53	$497.14	$508.15
Durable Goods[b]	507.95	511.70	512.90	512.48	504.71	499.80	500.99	491.00	500.99	507.03	502.25	517.80	531.14
Lumber and wood products	293.54	282.89	281.32	288.48	285.84	288.64	295.80	297.25	305.76	302.00	302.63	297.66	292.09
Furniture and fixtures	342.33	328.20	339.01	344.87	344.87	338.62	339.06	331.50	336.56	348.57	348.96	349.81	359.11
Stone, clay, and glass products	443.81	437.22	434.84	446.37	444.11	446.37	443.56	442.24	449.86	447.62	447.44	442.08	441.00
Glass and glassware, pressed or blown	475.90	466.02	465.56	475.45	477.28	482.35	473.93	469.53	472.65	491.73	506.18	467.62	466.09
Primary metal industries	559.93	555.59	561.19	550.78	546.40	547.80	546.89	548.05	566.46	559.68	563.50	583.73	596.23
Blast furnace and basic steel products	562.51	531.47	550.67	540.83	537.20	542.04	541.90	571.46	580.25	560.67	580.25	596.63	621.45
Iron and steel foundries	601.68	621.19	620.20	610.93	589.16	586.79	583.87	542.64	598.19	600.64	595.52	630.54	635.64
Nonferrous rolling and drawing	569.65	598.23	579.90	561.97	578.22	562.38	557.75	559.60	573.01	573.92	560.52	570.91	562.93
Fabricated metal products	494.91	500.65	496.18	506.32	495.01	486.36	494.06	472.65	486.99	494.38	488.36	503.01	515.70
Cutlery, hand tools, and hardware	479.60	507.16	494.10	508.41	474.74	474.00	472.83	451.62	461.78	459.02	470.05	487.12	484.00
Fabricated structural metal products	439.56	423.69	413.83	435.97	431.04	433.14	439.03	429.77	453.49	454.40	441.34	457.95	454.71
Metal forgings and stampings	628.21	635.60	637.58	643.92	630.08	615.29	628.09	588.13	616.76	628.52	618.25	639.12	664.02
Machinery, except electrical	485.18	480.11	483.51	489.20	482.22	481.20	483.07	473.30	481.85	485.41	482.58	492.33	510.82
Construction and related machinery	408.64	404.60	404.61	399.60	398.19	400.14	399.38	399.60	413.48	417.18	421.89	421.45	427.20
Metalworking machinery	467.08	456.42	462.40	473.70	468.42	466.23	465.62	460.90	458.70	468.52	464.78	475.94	490.31
Special industry machinery	458.96	448.28	446.42	451.31	450.89	463.75	469.37	456.04	458.22	459.14	457.71	473.19	481.00
General industrial machinery	503.10	491.91	504.38	510.77	500.64	501.48	502.10	493.85	484.98	501.23	513.95	515.46	526.25
Office and computing machines	400.87	374.59	397.11	394.40	396.35	396.18	397.54	388.74	419.43	398.24	399.53	414.29	431.21
Refrigeration and service machinery	580.56	610.64	588.74	584.68	550.25	563.64	572.40	570.26	567.09	602.89	574.00	568.38	614.90
Electric and electronic equipment	459.80	454.30	460.06	459.80	452.79	451.28	450.58	448.11	452.35	464.88	456.77	471.33	489.89
Electrical industrial apparatus	438.75	443.36	445.26	451.41	445.67	437.66	434.68	437.38	421.45	436.81	437.12	445.71	429.87
Household appliances	479.34	474.35	470.50	461.62	470.60	455.14	462.26	468.54	490.14	497.08	471.03	493.19	534.60
Electric lighting and wiring equipment	464.80	426.19	458.02	455.81	468.00	463.42	462.73	426.10	450.84	472.50	472.34	486.36	532.07
Communication equipment	491.23	508.38	494.98	493.73	491.71	516.17	484.86	462.84	480.73	492.90	473.49	498.72	488.38
Transportation equipment	632.06	649.52	652.24	644.67	632.60	620.54	616.40	600.66	616.40	629.31	610.76	646.46	656.48
Motor vehicles and equipment	655.93	687.92	684.63	678.30	660.07	649.28	645.77	619.65	633.91	646.21	624.35	660.67	674.97
Aircraft and parts	581.99	546.41	573.82	564.77	575.85	564.83	565.76	575.04	587.78	601.16	584.77	624.70	623.76
Instruments and related products	359.10	357.90	351.74	362.50	350.34	357.40	352.14	356.31	349.71	358.30	355.32	364.72	392.46
Measuring and controlling devices	346.62	347.27	342.62	352.80	339.00	350.87	345.73	351.00	331.60	346.12	336.55	348.04	369.33
Nondurable Goods[c]	439.71	434.51	432.41	433.46	426.59	434.89	439.71	438.19	439.30	443.72	444.52	449.40	454.92
Food and kindred products	416.83	405.32	402.98	395.39	399.10	419.67	417.91	431.04	422.99	420.33	426.72	423.85	436.77
Meat products	375.36	366.00	347.88	363.31	360.40	394.12	379.04	402.97	383.88	373.82	372.08	379.86	374.22
Dairy products	450.26	427.32	435.74	440.96	448.54	449.40	450.64	464.71	460.08	450.07	452.19	459.88	469.37
Preserved fruits and vegetables	393.71	389.09	390.57	371.15	369.34	385.84	384.56	384.89	410.85	392.81	412.02	402.52	422.06
Bakery products	451.19	434.69	430.91	425.63	441.22	436.62	456.46	471.83	458.80	459.42	465.63	468.33	462.56
Beverages	418.97	415.95	388.39	390.06	408.80	430.26	429.51	438.04	425.52	442.73	424.79	413.59	420.16
Apparel and other textile products	269.65	267.67	267.51	273.33	272.19	264.20	267.10	270.85	270.07	270.80	271.36	268.46	272.19

See footnotes at end of table.

2.

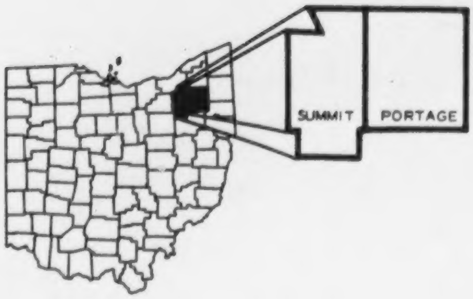
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$487.28	$481.23	$484.74	$473.00	$472.56	$478.93	$481.34	$496.15	$483.34	$499.26	$495.29	$493.50	$503.10
Misc. converted paper products	452.24	440.67	450.24	431.74	430.77	448.44	452.24	465.88	459.78	469.34	460.67	454.82	468.00
Paperboard containers and boxes	416.37	403.75	409.92	402.69	408.85	411.18	412.58	414.39	412.30	435.56	422.30	432.72	434.30
Printing and publishing	410.70	403.37	400.62	408.67	398.91	407.33	402.80	406.75	410.80	417.40	418.95	429.37	429.46
Newspapers	348.15	329.31	325.38	333.00	335.30	357.00	350.87	349.17	348.16	356.68	357.76	361.53	376.88
Commercial printing	410.34	406.58	404.99	412.85	397.55	397.88	390.40	401.95	416.16	419.52	422.42	433.78	414.47
Chemicals and allied products	514.04	508.02	506.57	515.10	503.84	509.96	520.67	502.94	509.99	518.22	512.05	521.59	534.06
Industrial inorganic chemicals	551.27	552.98	542.10	534.78	528.21	548.69	563.86	550.12	556.19	568.01	550.84	555.10	559.99
Rubber and misc. plastics products	438.96	442.96	438.44	438.60	423.43	433.15	443.66	431.38	438.65	441.34	443.23	447.38	444.19
Tires and inner tubes	633.40	641.55	630.20	622.89	628.38	625.14	653.80	633.25	660.81	628.34	635.51	634.20	611.88
Miscellaneous plastics products	423.73	424.15	424.15	426.13	404.89	416.64	426.43	412.93	419.42	425.96	428.40	435.89	434.02
MINING	521.02	527.77	513.30	507.91	511.17	512.13	514.17	512.00	524.18	538.77	516.67	528.96	551.89
Bituminous coal and lignite mining	619.42	636.23	623.08	614.66	611.94	615.91	607.75	591.14	631.08	635.95	597.40	623.83	648.06
CONSTRUCTION	579.34	602.16	572.14	574.93	580.39	587.39	581.10	559.78	595.81	588.85	588.35	565.74	557.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	537.02	516.65	515.36	529.10	523.67	526.50	537.92	543.58	536.61	549.70	552.49	551.26	553.73
Communication	526.82	502.44	503.23	519.30	510.24	513.11	531.95	541.03	524.88	539.97	545.61	541.82	549.92
Electric, gas, and sanitary services	548.14	534.42	529.72	541.99	539.79	543.02	543.92	547.87	551.45	560.77	561.60	561.60	559.73
WHOLESALE TRADE	366.42	357.77	356.96	360.89	365.38	366.03	367.06	368.68	366.81	368.39	369.57	371.99	374.22
Wholesale trade-durable goods	362.22	356.80	353.98	358.66	362.06	361.82	364.98	363.92	362.61	366.83	364.59	364.72	368.28
Wholesale trade-nondurable goods	372.06	360.02	361.38	363.47	371.62	373.18	372.23	375.65	373.01	371.50	376.92	382.71	383.72
RETAIL TRADE[d]	157.28	153.39	153.71	153.97	155.04	156.67	158.30	160.52	159.10	159.26	158.44	157.32	162.09
General merchandise stores	178.19	165.82	168.04	169.80	179.08	181.76	185.13	188.17	183.92	182.70	179.67	174.89	181.62
Department stores	183.25	169.48	172.25	174.05	184.14	186.85	190.30	193.44	188.80	187.52	184.11	179.26	186.91
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	248.32	243.08	245.31	245.33	247.68	249.72	245.24	247.26	249.66	250.55	251.79	250.72	253.44
Credit agencies other than banks	242.53	236.81	237.82	237.98	246.13	243.32	242.77	240.40	244.47	243.38	244.91	243.87	247.74
Insurance carriers	328.21	315.16	319.21	319.11	324.04	324.31	323.48	325.98	327.20	333.66	338.18	342.96	343.24
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	.....	......	......	......	......	......	......	......
Hospitals	315.89	313.07	312.56	312.96	314.63	315.63	317.63	320.82	321.55	324.53	322.01	320.41	322.68

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-0 (1986)

AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

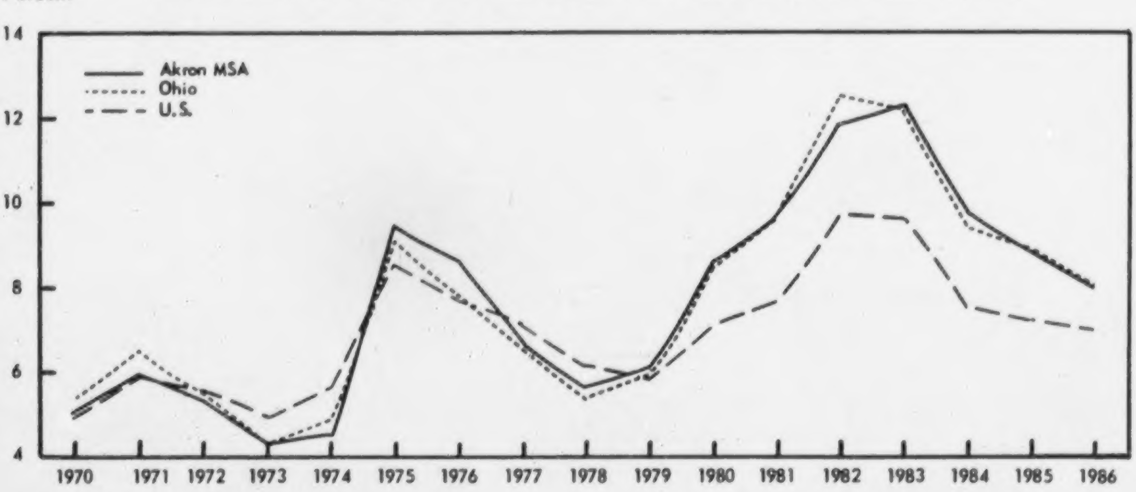


The estimated annual average civilian labor force in the Akron metropolitan area, based on place of residence, increased by 1,700 jobs, from 317,800 in 1985, to 319,500 in 1986. Total employment advanced 4,000 over the year, to 293,900, while unemployment registered a decrease of 2,400, to a 1986 level of 25,600. The unemployment rate declined from 8.8 percent in 1985, to 8.0 percent in 1986. (See table, page 35, top.)

Nonagricultural wage and salary employment in the Akron area rose .9 percent, from 257,600 in 1985, to 260,000 in 1986. Despite a slight recovery in 1985, manufacturing employment fell by 1,300 in 1986. Rubber and miscellaneous plastics products, especially tires and inner tubes, contributed heavily to the decline. Expansion in construction, retail trade, and services helped negate the losses in manufacturing. Retail trade and services had net gains of 1,000 and 1,400 jobs, respectively, to pace nonmanufacturing divisions.

Since the 1979-1983 recessionary period, the major concentration of growth in the Akron area has been in retail trade, with a net gain of 4,700 jobs. Services was second with an addition of 3,100 jobs. Most industries in the area recorded a slight but steady recovery. Tires and inner tubes continued to decline, with a net loss of 1,600 jobs between 1983 and 1986.(See table, page 35, bottom.)

AKRON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Akron Primary Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				PMSA	Ohio	U.S.
1971	277.7	261.3	16.3	5.9	6.5	5.9
1972	282.2	267.3	14.8	5.3	5.5	5.6
1973	287.1	274.9	12.2	4.3	4.3	4.9
1974	290.8	277.7	13.0	4.5	4.8	5.6
1975	292.0	264.3	27.7	9.5	9.1	8.5
1976	291.3	266.3	25.0	8.6	7.8	7.7
1977	294.2	274.7	19.5	6.6	6.5	7.1
1978	298.9	282.2	16.7	5.6	5.4	6.1
1979	303.8	285.4	18.4	6.1	5.9	5.8
1980	304.5	278.3	26.2	8.6	8.4	7.1
1981	304.1	274.9	29.1	9.6	9.6	7.6
1982	303.9	268.0	35.9	11.8	12.5	9.7
1983	302.5	265.2	37.3	12.3	12.2	9.6
1984	316.5	285.8	30.6	9.7	9.4	7.5
1985	317.8	289.9	28.0	8.8	8.9	7.2
1986	319.5	293.9	25.6	8.0	8.1	7.0

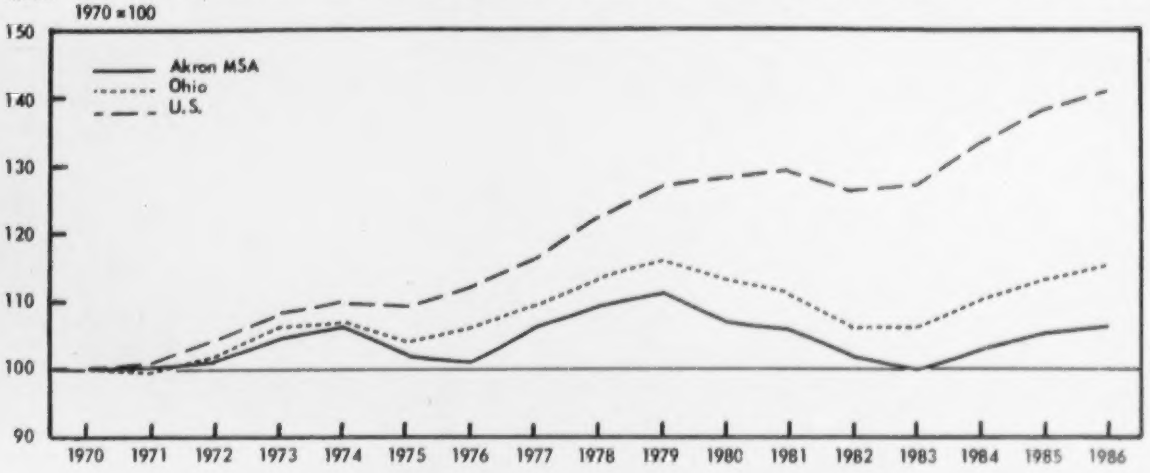
[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE AKRON PRIMARY METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

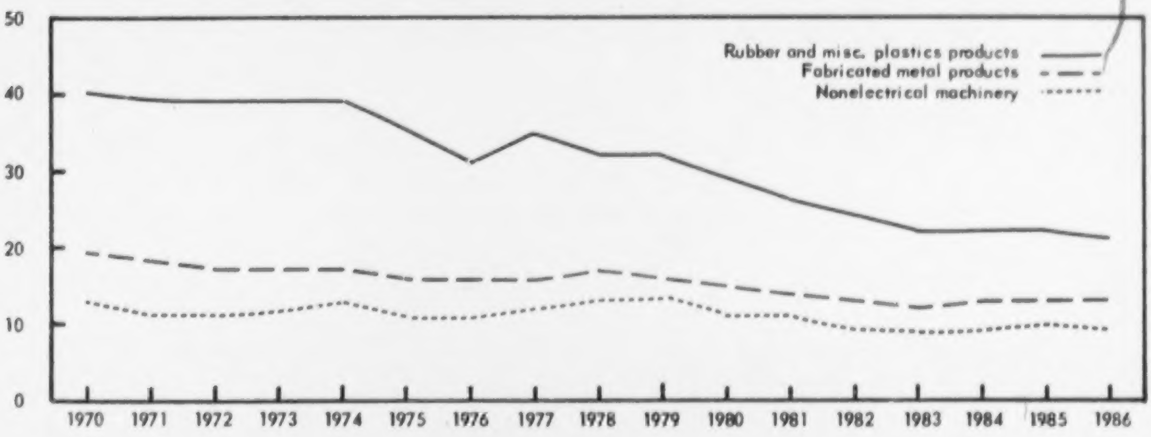
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	PMSA	Ohio
TOTAL	270.9	244.7	260.0	-26.2	15.3	58.4	97.6
MANUFACTURING	85.6	65.2	66.8	-20.4	1.6	7.8	13.7
Durable Goods	41.8	32.7	34.9	-9.1	2.2	24.1	11.5
Fabricated metal products	16.3	12.3	13.0	-4.0	.7	17.5	15.4
Machinery, except electrical	13.0	8.5	9.4	-4.5	.9	20.0	6.3
Nondurable Goods	43.9	32.5	31.8	-11.4	- .7	-	23.0
Rubber and misc. plastics products	31.6	21.6	20.8	-10.0	- .8	-	36.6
Tires and inner tubes	24.7	15.5	13.9	-9.2	-1.6	-	-
CONSTRUCTION	9.2	6.9	8.7	-2.3	1.8	78.2	57.6
TRANSPORTATION AND PUBLIC UTILITIES	15.2	12.5	13.0	-2.7	.5	18.5	20.9
WHOLESALE TRADE	11.9	11.9	13.6	.0	1.7	+	228.7
RETAIL TRADE	46.2	45.3	50.0	- .9	4.7	522.2	348.7
FINANCE, INSURANCE, AND REAL ESTATE	9.4	9.1	10.0	- .3	.9	300.0	+
SERVICES	49.7	52.3	55.4	2.6	3.1	+	+
GOVERNMENT	43.2	40.7	41.8	-2.5	1.1	44.0	132.6
State government	12.4	13.1	14.1	.7	1.0	+	+
Local government	28.7	25.5	25.4	-3.2	- .1	-	59.1

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

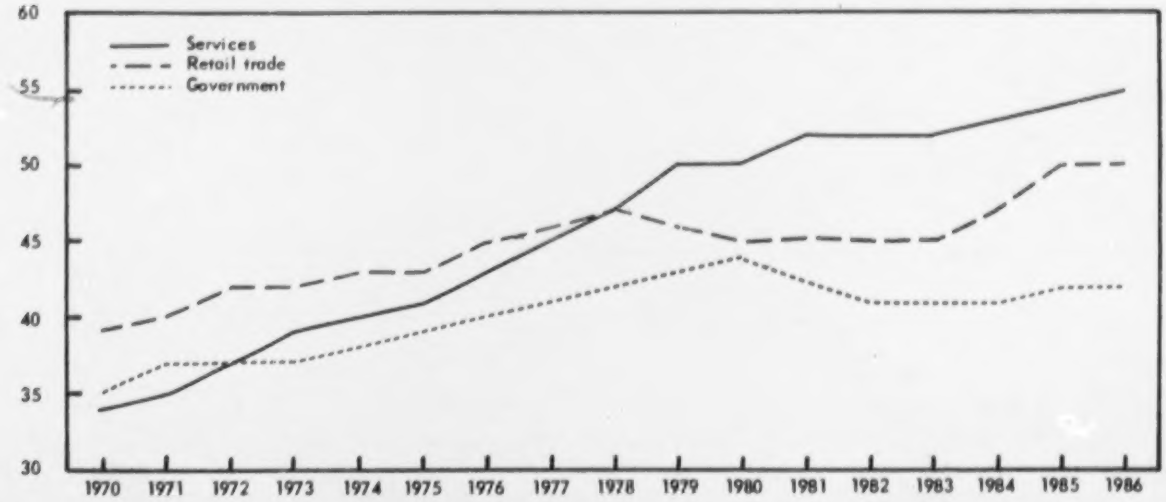
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



AKRON MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



AKRON MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	260.0	254.2	254.6	256.0	259.0	262.0	259.8	257.6	257.1	263.9	263.9	265.7	266.4
MANUFACTURING	66.8	66.6	66.6	66.7	67.1	67.2	67.5	66.5	66.1	66.7	66.5	66.7	67.0
Durable Goods[b]	34.9	34.7	34.8	34.9	35.0	35.2	35.2	34.6	34.6	35.1	35.0	35.0	34.9
Fabricated metal products	13.0	12.7	12.8	13.0	13.0	13.2	13.1	12.7	12.8	13.1	13.0	13.1	13.0
Machinery, except electrical	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.3	9.2	9.3	9.3	9.3	9.2
Metalworking machinery	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
Nondurable Goods[c]	31.8	31.9	31.8	31.7	32.1	32.0	32.2	31.9	31.5	31.5	31.5	31.7	32.1
Food and kindred products	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7
Chemicals and allied products	2.9	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.9	2.9
Rubber and misc. plastics products	20.8	21.1	21.1	21.0	21.1	21.0	21.1	20.7	20.4	20.5	20.5	20.7	20.9
Tires and inner tubes	13.9	14.4	14.2	14.1	14.2	14.0	14.0	13.9	13.5	13.5	13.5	13.4	13.7
NONMANUFACTURING[d]	193.2	187.6	188.0	189.3	191.9	194.8	192.3	191.1	190.9	197.2	197.4	199.0	199.4
CONSTRUCTION	8.7	7.1	6.9	7.1	8.1	8.7	9.1	9.5	9.8	9.7	9.8	9.6	8.9
TRANSPORTATION AND PUBLIC UTILITIES	13.0	12.7	12.8	12.9	12.9	12.9	13.0	13.1	13.2	13.0	13.1	13.2	13.2
Communication, electric, gas services	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4
WHOLESALE TRADE	13.6	13.6	13.5	13.4	13.5	13.4	13.4	13.5	13.6	13.6	13.8	13.7	13.8
RETAIL TRADE	50.0	47.8	47.4	48.0	49.3	49.9	50.1	50.3	50.4	50.8	50.8	52.3	53.3
General merchandise stores	6.6	6.8	6.5	6.4	6.4	6.2	6.2	6.4	6.3	6.4	6.6	7.5	8.0
FINANCE, INSURANCE, AND REAL ESTATE	10.0	9.7	9.7	9.7	9.9	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.3
Banking	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.2	3.1
SERVICES	55.4	53.7	53.7	54.3	54.4	55.6	56.8	57.0	56.9	56.7	55.6	55.4	55.2
Business services	10.4	10.4	10.3	10.3	10.1	10.1	10.1	10.4	10.5	10.6	10.7	10.6	10.6
Amusement and recreation services	3.2	2.3	2.3	2.4	2.7	3.6	4.2	4.6	4.5	3.9	2.6	2.4	2.4
Health services	17.6	17.6	17.6	17.7	17.5	17.4	17.6	17.6	17.5	17.6	17.5	17.7	17.7
GOVERNMENT	41.8	42.1	43.0	43.2	43.2	43.6	39.1	37.0	36.4	42.7	43.4	43.9	44.0
State government	14.1	14.3	15.0	15.2	15.1	15.1	10.9	10.6	10.6	15.2	15.6	15.7	15.9
State government education	11.2	11.4	12.2	12.3	12.2	12.2	7.9	7.5	7.5	12.3	12.7	12.9	13.0
State government, except education	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	2.9	2.9	2.9	2.9
Local government	25.4	25.5	25.7	25.7	25.7	26.1	25.7	24.0	23.4	25.2	25.6	25.8	25.8
Local government education	13.7	14.1	14.4	14.3	14.1	14.3	13.6	11.8	11.7	13.4	14.1	14.4	14.5
Local government, except education	11.6	11.5	11.3	11.4	11.6	11.8	12.1	12.2	11.7	11.7	11.5	11.5	11.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-23-87 RS-790-1-1 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	257.6	251.1	251.3	253.4	256.9	260.9	257.5	257.0	256.7	262.5	261.7	261.0	260.6
MANUFACTURING	68.1	68.2	68.2	68.3	68.6	68.7	68.6	68.3	67.6	67.8	67.8	67.6	67.4
Durable Goods[b]	35.3	35.3	35.2	35.5	35.7	35.7	35.7	35.5	34.9	35.2	35.2	35.1	35.0
Fabricated metal products	13.0	13.2	13.0	13.0	13.1	13.2	13.3	13.1	12.7	13.0	13.0	12.9	12.9
Machinery, except electrical	9.6	9.5	9.5	9.7	9.6	9.5	9.5	9.5	9.5	9.6	9.6	9.7	9.6
Metalworking machinery	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2
Nondurable Goods[c]	32.8	32.9	33.0	32.9	32.9	32.9	33.0	32.8	32.7	32.6	32.6	32.5	32.4
Food and kindred products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.8
Chemicals and allied products	2.7	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8
Rubber and misc. plastics products	22.0	22.5	22.6	22.4	22.3	22.2	22.1	21.9	21.7	21.7	21.7	21.5	21.4
Tires and inner tubes	15.2	15.7	15.8	15.8	15.7	15.6	15.4	15.2	15.0	14.8	14.9	14.7	14.5
NONMANUFACTURING[d]	189.5	183.0	183.0	185.0	188.3	192.3	188.9	188.7	189.0	194.7	193.9	193.4	193.2
CONSTRUCTION	8.2	6.5	5.9	6.4	7.5	8.5	8.9	9.3	9.5	9.3	9.7	9.2	8.4
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.6	12.7	12.8	12.8	12.8	12.8	12.9	12.9	12.8	12.9	13.0	12.9
Communication, electric, gas services	5.3	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.3
WHOLESALE TRADE	13.3	13.1	13.0	13.1	13.3	13.3	13.4	13.4	13.4	13.5	13.6	13.5	13.5
RETAIL TRADE	49.0	47.8	46.9	47.6	48.4	49.0	49.1	49.3	49.7	49.7	49.4	50.0	50.6
General merchandise stores	6.8	6.9	6.5	6.5	6.6	6.6	6.5	6.5	6.5	6.6	6.9	7.3	7.6
FINANCE, INSURANCE, AND REAL ESTATE	9.6	9.3	9.3	9.3	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.8
Banking	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1
SERVICES	54.0	51.4	51.5	51.9	53.1	55.0	55.9	55.7	56.0	56.0	54.3	53.8	53.6
Business services	10.2	9.9	9.8	9.9	9.8	10.2	10.2	10.4	10.5	10.5	10.4	10.2	10.2
Amusement and recreation services	2.9	2.1	2.1	2.0	2.5	3.5	4.0	4.2	4.2	3.8	2.4	2.1	2.2
Health services	17.5	17.4	17.4	17.5	17.4	17.5	17.5	17.5	17.6	17.6	17.7	17.8	17.6
GOVERNMENT	41.6	41.4	42.8	43.0	42.9	43.2	38.2	37.6	37.1	42.8	43.3	43.3	43.5
State government	13.7	13.4	14.7	15.1	14.8	14.9	9.8	10.3	10.3	14.9	15.2	15.3	15.4
State government education	10.8	10.5	11.8	12.2	12.0	12.0	6.9	7.3	7.3	12.0	12.3	12.4	12.5
State government, except education	2.9	2.9	2.9	2.9	2.8	2.9	3.0	3.0	3.0	2.9	2.8	2.8	2.9
Local government	25.7	26.0	26.0	25.8	25.8	26.2	26.1	25.1	24.5	25.7	25.9	25.8	25.8
Local government education	13.6	14.3	14.4	14.2	14.0	14.2	13.3	11.9	11.9	13.4	13.9	14.1	14.3
Local government, except education	12.1	11.7	11.6	11.6	11.8	12.0	12.9	13.2	12.6	12.3	12.0	11.7	11.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-1 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.22	$11.10	$11.13	$11.17	$11.09	$11.06	$11.21	$11.10	$11.28	$11.32	$11.37	$11.38	$11.45
Durable Goods[b]	11.50	11.35	11.32	11.45	11.31	11.27	11.45	11.23	11.55	11.65	11.71	11.80	11.94
Fabricated metal products	13.84	13.51	13.54	13.82	13.57	13.42	13.88	13.34	13.85	13.95	14.30	14.47	14.30
Machinery, except electrical	9.88	9.68	9.70	9.84	9.81	9.88	9.94	10.00	10.00	9.96	9.78	9.86	10.15
Metalworking machinery	9.95	9.72	9.78	9.96	9.90	9.84	9.88	9.98	9.95	10.08	10.01	10.02	10.31
Nondurable Goods[c]	10.78	10.69	10.82	10.72	10.73	10.74	10.82	10.92	10.86	10.80	10.83	10.72	10.72
Food and kindred products	10.86	10.44	10.69	10.98	10.93	10.95	10.95	10.98	11.00	10.93	10.81	10.81	10.85
Chemicals and allied products	11.03	10.92	10.91	10.89	10.90	10.95	10.93	11.00	11.18	11.15	11.23	11.11	11.12
Rubber and misc. plastics products	11.14	11.12	11.10	11.05	11.08	11.10	11.27	11.37	11.34	11.15	11.18	11.00	10.96
Tires and inner tubes	14.59	14.36	14.48	14.34	14.47	14.53	14.79	14.81	14.86	14.64	14.79	14.68	14.42
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.33	13.02	13.05	13.18	13.11	13.10	13.27	13.47	13.40	13.48	13.59	13.65	13.61
WHOLESALE TRADE	8.49	8.41	8.45	8.61	8.49	8.57	8.49	8.43	8.58	8.49	8.48	8.35	8.47
RETAIL TRADE[d]	6.13	6.06	6.12	6.04	6.03	6.10	6.10	6.11	6.13	6.17	6.20	6.18	6.26

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-1 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.2	42.7	43.1	43.5	43.0	43.0	43.9	42.6	43.6	43.3	43.0	43.2	43.5
Durable Goods[b]	43.7	42.9	43.5	44.1	43.7	43.7	44.5	42.7	44.0	43.8	43.3	43.7	44.1
Fabricated metal products	45.6	44.9	45.8	45.9	44.7	45.3	47.2	42.4	46.6	46.0	45.9	46.0	46.2
Machinery, except electrical	44.1	43.0	43.1	44.8	44.9	44.3	45.2	44.1	44.3	43.7	43.7	44.3	44.2
Metalworking machinery	45.4	45.1	44.8	47.3	46.4	46.1	47.8	46.3	45.7	44.2	43.4	43.9	44.1
Nondurable Goods[c]	42.5	42.4	42.6	42.6	42.0	42.0	42.9	42.5	43.0	42.5	42.5	42.6	42.7
Food and kindred products	40.9	38.2	39.5	39.8	40.4	40.3	41.2	41.9	41.2	40.7	40.8	42.2	44.2
Chemicals and allied products	40.9	41.6	41.3	41.4	40.8	41.5	40.4	40.9	40.5	40.0	40.4	40.6	41.6
Rubber and misc. plastics products	44.3	44.9	44.1	44.6	44.0	43.6	45.2	43.7	44.7	44.5	44.3	44.1	44.3
Tires and inner tubes	49.0	51.1	49.1	48.6	49.4	48.5	49.9	49.5	50.3	48.2	48.4	48.3	46.8
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.9	40.0	40.0	40.7	40.7	40.5	41.2	41.5	40.8	41.0	41.3	41.6	41.1
WHOLESALE TRADE	38.2	38.2	38.0	38.5	38.5	38.4	38.5	38.6	38.5	38.3	37.3	37.6	37.8
RETAIL TRADE	30.8	29.0	28.6	29.9	30.2	31.3	31.4	31.6	31.6	31.0	31.2	31.1	32.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-1 (1986)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$484.70	$473.97	$479.70	$485.90	$476.87	$475.58	$492.12	$472.86	$491.81	$490.16	$488.91	$491.62	$498.08
Durable Goods[b]	502.55	486.92	492.42	504.95	494.25	492.50	509.53	479.52	508.20	510.27	507.04	515.66	526.55
Fabricated metal products	631.10	606.60	620.13	634.34	606.58	607.93	655.14	565.62	645.41	641.70	656.37	665.62	660.66
Machinery, except electrical	435.71	416.24	418.07	440.83	440.47	437.68	449.29	441.00	443.00	435.25	427.39	436.80	448.63
Metalworking machinery	451.73	438.37	438.14	471.11	459.36	453.62	472.26	462.07	454.72	445.54	434.43	439.88	454.67
Nondurable Goods[c]	458.15	453.26	460.93	456.67	450.66	451.08	464.18	464.10	466.98	459.00	460.28	456.67	457.74
Food and kindred products	444.17	398.81	422.26	437.00	441.57	441.29	451.14	460.06	453.20	444.85	441.05	456.18	479.57
Chemicals and allied products	451.13	454.27	450.58	450.85	444.72	454.43	441.57	449.90	452.79	446.00	453.69	451.07	462.59
Rubber and misc. plastics products	493.50	499.29	489.51	492.83	487.52	483.96	509.40	496.87	506.90	496.18	495.27	485.10	485.53
Tires and inner tubes	714.91	733.80	710.97	696.92	714.82	704.71	738.02	733.10	747.46	705.65	715.84	709.04	674.86
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	545.20	520.80	522.00	536.43	533.58	530.55	546.72	559.01	546.72	552.68	561.27	567.84	559.37
WHOLESALE TRADE	324.32	321.26	321.10	331.49	326.87	329.09	326.87	325.40	330.33	325.17	316.30	313.96	320.17
RETAIL TRADE[d]	188.80	175.74	175.03	180.60	182.11	190.93	191.54	193.08	193.71	191.27	193.44	192.20	200.32

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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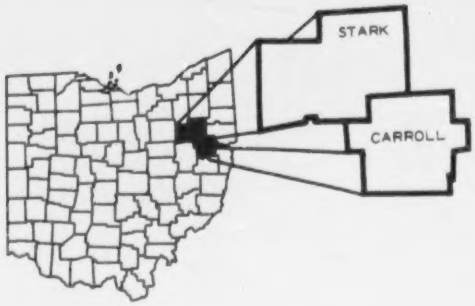
CANTON
METROPOLITAN STATISTICAL AREA

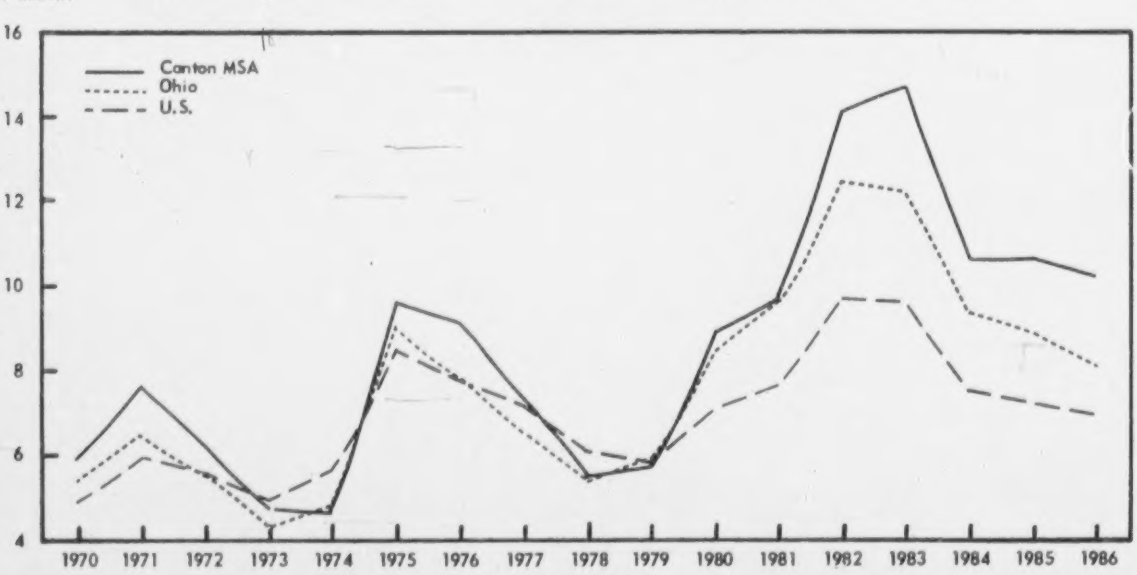


The estimated average civilian labor force in the Canton metropolitan area, based on place of residence, gained 800 jobs over the year, from 189,500 in 1985, to 190,300 in 1986. Total employment increased 1,500 over the year, to 171,000, while unemployment recorded a decrease of 600, to a 1986 level of 19,400. The unemployment rate fell from 10.6 percent in 1985, to 10.2 percent in 1986. (See table, page 43, top.)

Nonagricultural wage and salary employment in the Canton area rose slightly, to 151,800 in 1986 from 151,500 in 1985. Scattered reductions in durable- and nondurable-goods industries accounted for the loss of 2,700 manufacturing jobs. The sizable setback in manufacturing employment was more than offset by the addition of 3,000 nonmanufacturing jobs. Retail trade and services led all nonmanufacturing divisions in gains in employment, 1,300 and 900, respectively. Notable improvements also occurred in local government education and health services.

Nonfarm wage and salary employment has improved moderately since the 1979-1983 economic downturn. Manufacturing employment showed no change over the period, although nondurable-goods industries gained 800 jobs from 1983-1986. Most manufacturing industries continued to decline, especially primary metals and fabricated metal products. The most important recovery took place in retail trade with the addition of 4,100 jobs. The second leading growth sector was services, with a net gain of 2,600 jobs between 1983 and 1986. (See table, page 43, bottom.)

CANTON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Canton Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	164.9	152.3	12.6	7.6	6.5	5.9
1972	165.6	155.3	10.3	6.2	5.5	5.6
1973	171.2	16.19	8.1	4.6	4.3	4.9
1974	175.6	167.5	8.1	4.6	4.8	5.6
1975	174.7	158.0	16.7	9.6	9.1	8.5
1976	174.4	158.6	15.8	9.1	7.8	7.7
1977	175.9	163.1	12.9	7.3	6.5	7.1
1978	179.9	170.0	9.9	5.5	5.4	6.1
1979	184.3	173.7	10.6	5.7	5.9	5.8
1980	187.7	170.9	16.8	8.9	8.4	7.1
1981	188.4	170.1	18.2	9.7	9.6	7.6
1982	191.4	164.3	27.0	14.1	12.5	9.7
1983	187.0	159.5	27.5	14.7	12.2	9.6
1984	188.1	168.1	19.9	10.6	9.4	7.5
1985	189.5	169.5	20.0	10.6	8.9	7.2
1986	190.3	171.0	19.4	10.2	8.1	7.0

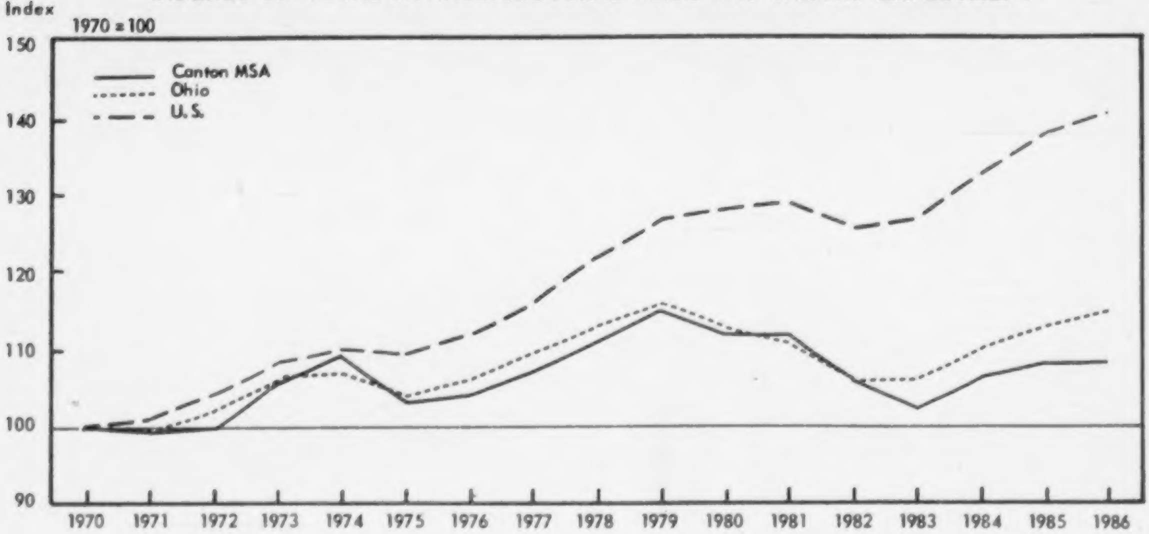
[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE CANTON METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

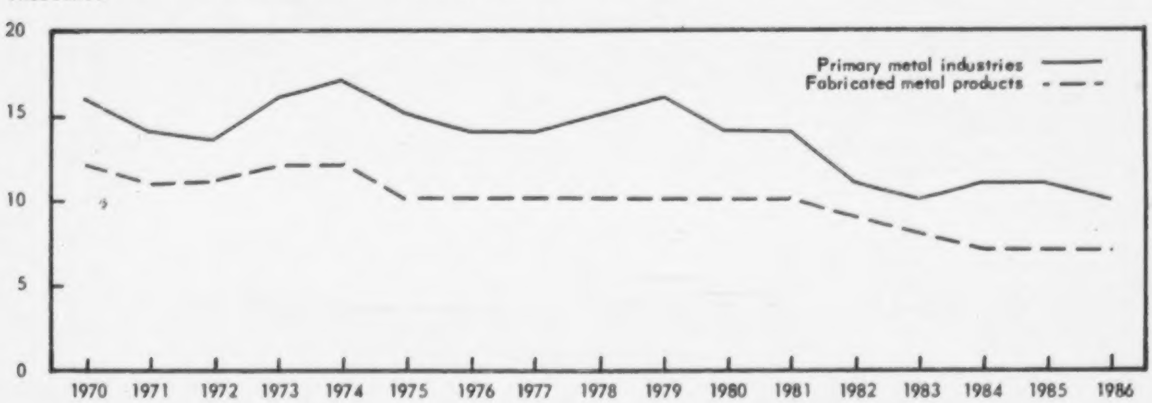
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	160.8	143.4	151.5	-17.4	8.1	46.6	97.6
MANUFACTURING	59.1	43.5	46.2	-15.6	2.7	17.3	13.7
Durable Goods	46.4	33.0	34.7	-13.4	1.1	8.2	11.5
Primary metal industries	15.6	10.2	11.0	- 5.4	1.1	20.4	-
Fabricated metal products	10.2	7.6	7.4	- 2.6	- .2	-	15.4
Nondurable Goods	12.7	10.6	11.6	- 2.1	1.0	47.6	23.0
Food and kindred products	4.4	3.7	4.0	- .7	.3	42.9	-
Rubber and misc. plastics products	3.5	2.5	2.9	- 1.0	.4	40.0	36.6
CONSTRUCTION	6.4	4.3	5.3	- 2.1	1.0	47.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	7.6	5.9	5.9	- 1.7	.0	-	20.9
WHOLESALE TRADE	7.2	7.2	7.8	.0	.6	+	228.7
RETAIL TRADE	27.1	26.1	28.9	- 1.0	2.8	280.0	348.7
FINANCE, INSURANCE, AND REAL ESTATE	5.9	6.4	6.1	.5	- .3	+ -	+
SERVICES	28.1	30.7	32.4	2.6	1.7	+	+
GOVERNMENT	18.3	18.0	17.6	- .3	- .4	-	132.6
Local government	15.1	15.2	14.7	.1	- .5	+ -	59.1

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

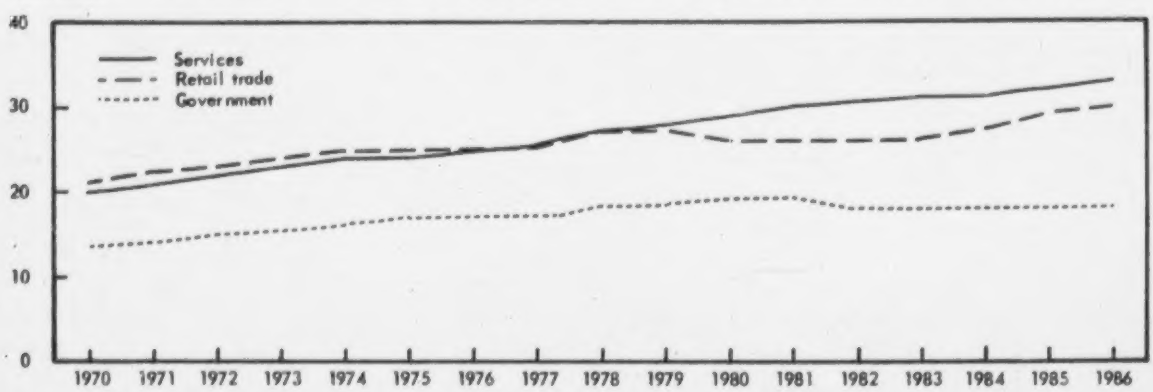
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	151.8	148.9	149.0	149.0	151.1	152.6	153.3	152.7	152.8	153.8	149.7	154.2	154.4
MANUFACTURING	43.5	44.1	44.4	44.0	44.0	44.2	44.6	44.0	44.2	44.0	38.7	43.0	42.8
Durable Goods[b]	32.1	32.6	33.0	32.8	32.9	33.0	33.0	32.4	32.6	32.5	27.4	31.8	31.5
Primary metal industries	10.0	10.0	10.2	10.3	10.2	10.3	10.1	10.2	10.0	10.2	8.4	10.0	9.9
Fabricated metal products	7.0	6.9	7.0	7.0	7.0	7.1	7.2	7.0	6.9	7.0	6.9	6.8	6.7
Metal forgings and stampings	2.5	2.5	2.6	2.5	2.6	2.6	2.7	2.6	2.5	2.5	2.4	2.4	2.3
Nondurable Goods[c]	11.4	11.5	11.4	11.2	11.1	11.2	11.5	11.6	11.7	11.5	11.4	11.3	11.3
Food and kindred products	3.7	3.8	3.7	3.6	3.5	3.6	3.8	3.9	3.9	3.8	3.7	3.8	3.8
Rubber and misc. plastics products	2.8	2.9	2.9	2.9	2.8	2.8	2.9	2.8	2.8	2.8	2.7	2.7	2.7
NONMANUFACTURING[d]	108.3	104.8	104.6	105.0	107.2	108.4	108.8	108.7	108.5	109.8	110.9	111.1	111.6
CONSTRUCTION	5.4	4.3	4.1	4.3	4.8	5.4	5.7	6.0	6.0	6.1	6.3	6.1	5.8
TRANSPORTATION AND PUBLIC UTILITIES	5.8	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	6.0
Communication, electric, gas services	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
WHOLESALE TRADE	8.0	7.9	7.8	7.9	7.9	7.9	8.0	8.1	8.1	8.0	8.0	8.0	8.1
Wholesale trade-durable goods	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6
RETAIL TRADE	30.2	29.0	28.7	28.8	29.5	30.0	30.3	30.5	30.5	30.8	31.0	31.3	32.0
General merchandise stores	3.8	3.7	3.6	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.9	4.3	4.6
Food stores	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.3	6.3	6.3	6.4	6.4	6.5	6.6	6.6	6.5	6.5	6.5	6.5
Banking	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
SERVICES	33.3	32.2	32.3	32.4	33.1	33.4	33.7	33.8	33.6	33.7	34.0	33.9	33.7
Health services	14.3	13.8	13.9	13.9	14.1	14.2	14.3	14.5	14.4	14.5	14.5	14.5	14.5
GOVERNMENT	18.0	18.2	18.5	18.5	18.6	18.4	17.8	16.9	16.7	17.8	18.3	18.4	18.4
State government	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	14.9	15.1	15.5	15.4	15.4	15.3	14.7	13.8	13.6	14.7	15.2	15.3	15.3
Local government education	8.9	8.9	9.3	9.3	9.3	9.2	8.6	7.8	7.7	8.7	9.3	9.4	9.4
Local government, except education	6.0	6.2	6.1	6.1	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	5.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-2 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	151.5	147.8	146.9	148.4	151.4	152.9	153.3	152.4	152.7	153.2	152.9	152.7	153.1
MANUFACTURING	46.2	46.5	45.9	46.2	46.5	46.6	46.8	46.5	46.7	46.4	45.8	45.4	45.1
Durable Goods[b]	34.7	35.1	34.7	34.9	35.2	35.1	35.1	34.9	35.0	34.7	34.2	33.7	33.4
Primary metal industries	11.0	10.9	10.8	11.0	11.2	11.1	11.1	11.1	11.1	11.0	11.0	10.7	10.5
Fabricated metal products	7.4	7.4	7.3	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.2	7.1	7.1
Metal forgings and stampings	2.8	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.6	2.6	2.6
Nondurable Goods[c]	11.6	11.4	11.2	11.3	11.3	11.5	11.7	11.6	11.7	11.7	11.6	11.7	11.8
Food and kindred products	4.0	3.9	3.8	3.9	3.8	3.9	4.1	3.9	4.1	4.1	4.0	4.0	4.1
Rubber and misc. plastics products	2.9	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
NONMANUFACTURING[d]	105.3	101.3	101.0	102.2	105.0	106.3	106.5	105.9	106.0	106.7	107.0	107.3	107.9
CONSTRUCTION	5.3	4.2	4.1	4.4	5.3	5.5	5.8	5.9	5.9	5.7	5.8	5.6	5.3
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.9	5.9	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9	5.8	5.8
Communication, electric, gas services	2.8	2.7	2.7	2.8	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.8
WHOLESALE TRADE	7.8	7.7	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9
Wholesale trade-durable goods	4.3	4.4	4.3	4.4	4.3	4.3	4.3	4.4	4.4	4.3	4.4	4.4	4.3
RETAIL TRADE	28.9	27.4	27.1	27.3	28.4	29.1	29.0	29.3	29.4	29.7	29.7	30.1	30.5
General merchandise stores	3.7	3.8	3.6	3.5	3.6	3.6	3.6	3.5	3.5	3.6	3.8	4.0	4.3
Food stores	5.0	4.7	4.7	4.7	4.9	5.0	5.0	5.1	5.1	5.4	5.2	5.2	5.1
FINANCE, INSURANCE, AND REAL ESTATE	6.1	6.0	6.0	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3
Banking	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
SERVICES	32.4	30.9	31.2	31.6	32.4	32.7	33.1	32.8	32.8	33.0	32.9	32.8	32.6
Health services	13.8	13.6	13.6	13.6	13.7	13.8	13.9	13.8	13.8	13.8	13.9	13.9	13.9
GOVERNMENT	17.6	17.9	17.9	18.1	18.2	18.1	17.5	16.7	16.6	17.2	17.4	17.7	18.3
State government	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
Local government	14.7	15.1	15.1	15.2	15.2	15.2	14.6	13.8	13.7	14.2	14.5	14.8	15.3
Local government education	8.5	8.8	8.8	9.0	9.0	9.0	8.3	7.6	7.6	8.1	8.3	8.6	9.1
Local government, except education	6.2	6.3	6.2	6.2	6.2	6.2	6.3	6.2	6.1	6.1	6.1	6.2	6.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-2 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.21	$11.23	$11.13	$11.15	$11.10	$11.13	$11.20	$11.21	$11.24	$11.25	$11.03	$11.44	$11.41
Durable Goods[b]	11.62	11.66	11.54	11.57	11.50	11.54	11.64	11.62	11.66	11.69	11.32	11.82	11.82
Primary metal industries	12.62	12.63	12.53	12.49	12.43	12.44	12.61	12.62	12.78	12.65	12.54	12.94	12.73
Fabricated metal products	12.03	12.29	12.18	12.43	11.88	12.08	12.30	11.96	12.02	11.94	11.60	11.70	11.87
Metal forgings and stampings	15.34	15.61	15.44	15.93	14.86	15.62	15.72	15.28	15.53	15.22	14.94	15.02	14.75
Nondurable Goods[c]	9.95	9.87	9.79	9.77	9.77	9.81	9.81	9.97	9.95	9.94	10.31	10.22	10.13
Food and kindred products	10.56	10.38	10.21	10.23	10.41	10.61	10.58	10.55	10.47	10.70	10.91	10.77	10.95
Rubber and misc. plastics products	10.35	10.64	10.55	10.45	10.47	10.27	10.23	10.48	10.42	10.32	10.23	10.02	10.05
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	12.87	12.54	12.64	12.64	12.69	12.58	12.74	12.99	13.07	13.07	13.12	13.19	13.22
WHOLESALE TRADE	9.59	9.43	9.47	9.48	9.66	9.59	9.64	9.56	9.59	9.57	9.68	9.58	9.87
RETAIL TRADE[d]	5.39	5.34	5.41	5.45	5.46	5.40	5.37	5.42	5.34	5.45	5.41	5.30	5.36

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-2 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	40.3	40.1	40.4	40.1	39.9	39.9	39.9	40.1	39.9	39.8	40.4	41.2	41.8
Durable Goods[b]	40.6	40.4	40.8	40.5	40.3	40.0	40.1	40.1	40.0	40.0	40.8	41.7	42.4
Primary metal industries	39.2	37.8	38.0	37.8	37.8	38.7	38.1	37.9	39.1	39.5	41.8	41.9	43.0
Fabricated metal products	42.6	43.7	43.9	43.9	42.3	42.8	43.1	41.0	42.5	41.4	42.2	41.7	42.3
Metal forgings and stampings	42.5	43.7	44.0	43.4	40.9	43.2	43.4	39.7	43.0	41.5	41.8	41.7	43.4
Nondurable Goods[c]	39.4	39.5	39.3	38.8	38.8	39.5	39.0	40.0	39.6	39.4	39.5	39.7	40.1
Food and kindred products	39.5	39.4	38.3	38.9	39.0	40.6	39.2	40.4	39.6	39.4	39.1	39.1	41.3
Rubber and misc. plastics products	41.9	44.0	43.3	41.6	40.3	41.3	41.8	42.1	42.5	40.9	41.1	41.7	41.8
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.7	40.6	40.7	40.2	40.2	40.0	40.4	41.0	40.7	40.9	41.3	41.0	41.2
WHOLESALE TRADE	35.4	36.2	36.3	36.0	36.4	35.6	35.3	35.4	34.7	34.5	34.2	35.0	35.8
RETAIL TRADE	28.9	28.7	28.5	28.4	28.6	28.7	29.4	29.2	29.1	28.7	28.7	29.1	29.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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Columbus 43216 3-24-87 RS-790-3-2 (1986)

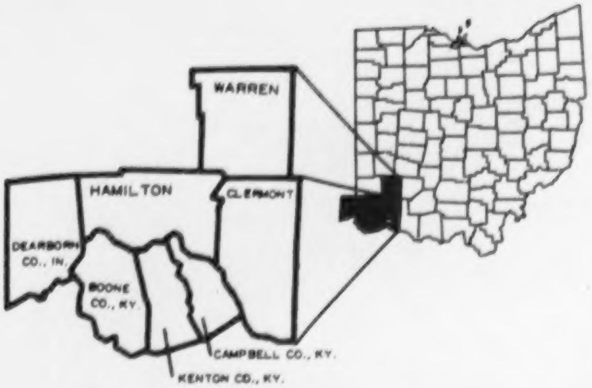
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$451.76	$450.32	$449.65	$447.12	$442.89	$444.09	$446.88	$449.52	$448.48	$447.75	$445.61	$471.33	$476.94
Durable Goods[b]	471.77	471.06	470.83	468.59	463.45	461.60	466.76	465.96	466.40	467.60	461.86	492.89	501.17
Primary metal industries	494.70	477.41	476.14	472.12	469.85	481.43	480.44	478.30	499.70	499.68	524.17	542.19	547.39
Fabricated metal products	512.48	537.07	534.70	545.68	502.52	517.02	530.13	490.36	510.85	494.32	489.52	487.89	502.10
Metal forgings and stampings	651.95	682.16	679.36	691.36	607.77	674.78	682.25	606.62	667.79	631.63	624.49	626.33	640.15
Nondurable Goods[c]	392.03	389.87	384.75	379.08	379.08	387.50	382.59	398.80	394.02	391.64	407.25	405.73	406.21
Food and kindred products	417.12	408.97	391.04	397.95	405.99	430.77	414.74	426.22	414.61	421.58	426.58	421.11	452.24
Rubber and misc. plastics products	433.67	468.16	456.82	434.72	421.94	424.15	427.61	441.21	442.85	422.09	420.45	417.83	420.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	523.81	509.12	514.45	508.13	510.14	503.20	514.70	532.59	531.95	534.56	541.86	540.79	544.66
WHOLESALE TRADE	339.49	341.37	343.76	341.28	351.62	341.40	340.29	338.42	332.77	330.17	331.06	335.30	353.35
RETAIL TRADE[d]	155.77	153.26	154.19	154.78	156.16	154.98	157.88	158.26	155.39	156.42	155.27	154.23	156.51

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-2 (1986)

CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

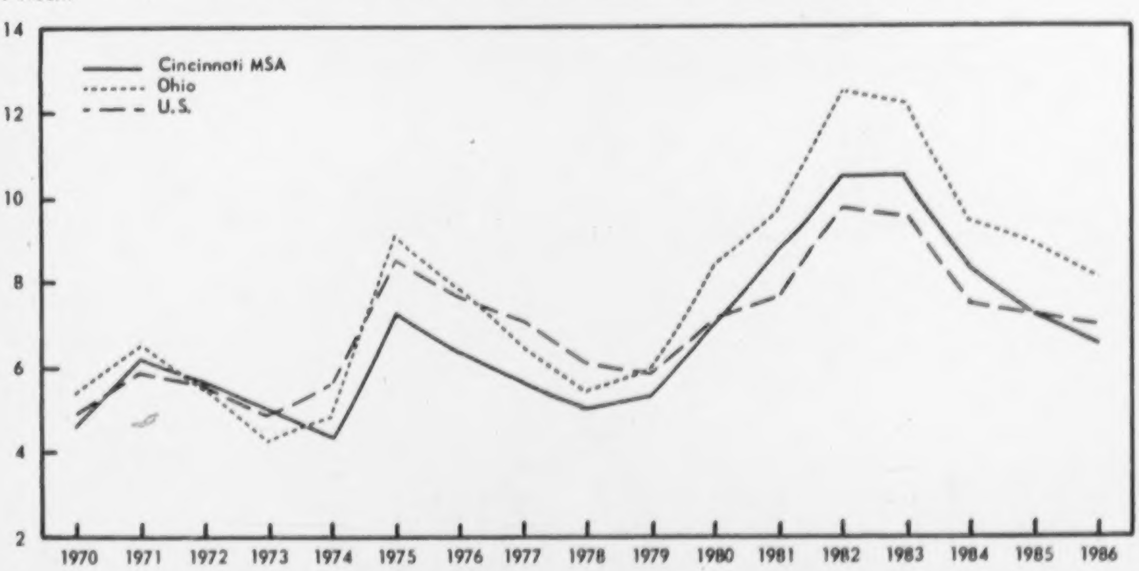


The estimated annual average civilian labor force in the Cincinnati metropolitan area, based on place of residence, rose 15,900 from 1985, to 726,500 in 1986. Total employment increased 20,300, to 679,400 over the year; unemployment dropped 4,300, to a 1986 total of 47,200. The unemployment rate declined from 7.2 percent in 1985, to 6.5 percent in 1986. (See table, page 51, top.)

Total nonagricultural wage and salary employment rose 3.7 percent, from 628,100 in 1985, to 651,200 in 1986. Growth was heaviest in services, especially business services; retail trade; and government. A modest gain was also recorded in manufacturing. Expansion in chemicals and allied products and printing and publishing helped to offset losses in motor vehicles and equipment and metalworking machinery.

Nonfarm employment in the Cincinnati area continued to recover from the economic downturn of the early 1980's, although at a slower rate of growth. Gains in nonmanufacturing contributed most to the recovery. Continued increases in services and retail trade were primarily responsible. Between 1983 and 1986, manufacturing recovered 22.9 percent of jobs lost during the recessionary period, but remains below the 1979 level. Employment in fabricated metal products and transportation equipment continued to decline, and previous gains realized in nonelectrical machinery and electric and electronic equipment were lost in 1986. (See table, page 51, bottom.)

CINCINNATI MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Cincinnati Primary Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				PMSA	Ohio	U.S.
1971	550.0	516.0	34.0	6.2	6.5	5.9
1972	561.0	529.0	32.0	5.7	5.5	5.6
1973	572.0	543.0	29.0	5.1	4.3	4.9
1974	595.3	569.8	25.5	4.3	4.8	5.6
1975	595.3	551.6	43.6	7.3	9.1	8.5
1976	604.8	566.6	38.2	6.3	7.8	7.7
1977	623.4	588.7	34.7	5.6	6.5	7.1
1978	648.3	615.8	32.5	5.0	5.4	6.1
1979	663.4	628.1	35.3	5.3	5.9	5.8
1980	676.2	628.8	47.5	7.0	8.4	7.1
1981	678.5	619.3	59.1	8.7	9.6	7.6
1982	684.3	612.4	71.9	10.5	12.5	9.7
1983	687.6	615.2	72.4	10.5	12.2	9.6
1984	695.9	638.4	57.5	8.3	9.4	7.5
1985	710.6	659.1	51.5	7.2	8.9	7.2
1986	726.5	679.4	47.2	6.5	8.1	7.0

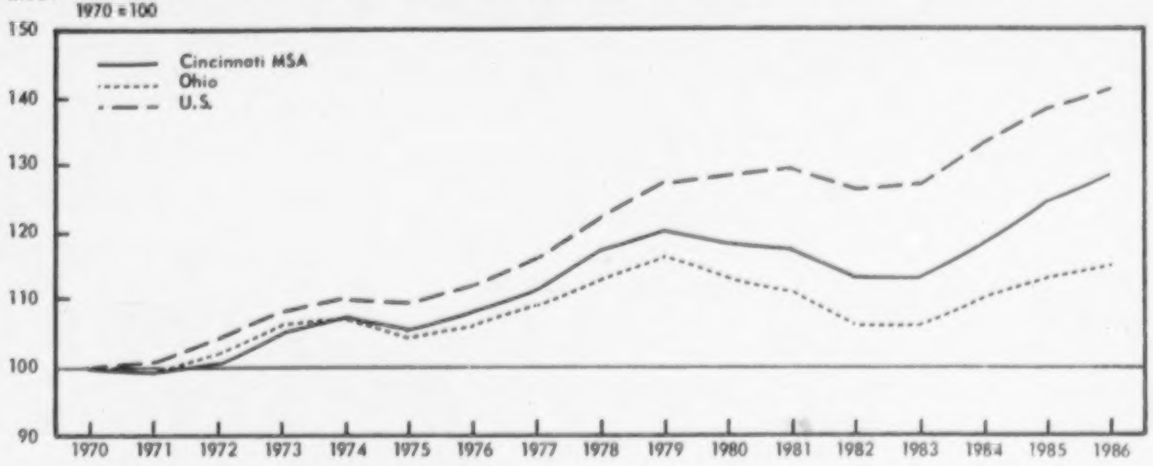
[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

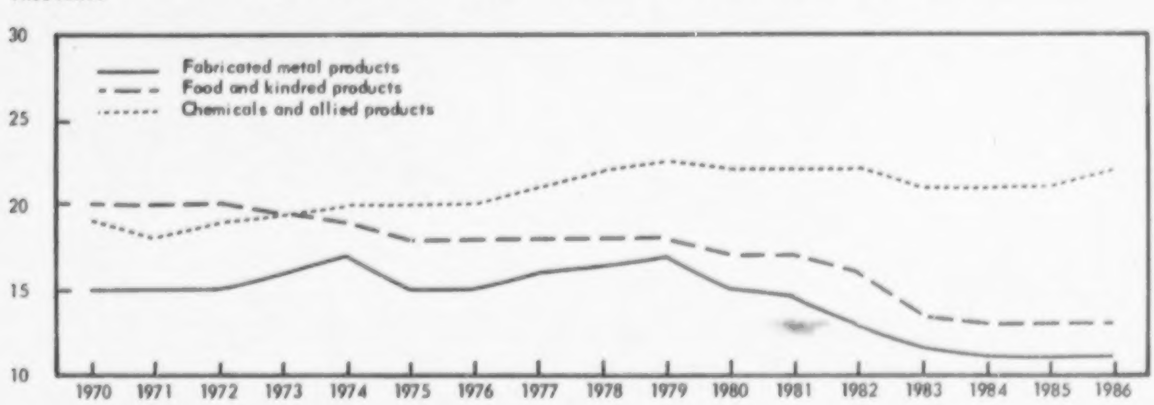
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	PMSA	Ohio
TOTAL	607.4	575.6	628.1	-31.8	52.5	46.6	97.6
MANUFACTURING	173.1	140.4	147.1	-32.7	6.7	17.3	13.7
Durable Goods	98.7	77.0	82.8	-21.7	5.8	8.2	11.5
Fabricated metal products	16.7	11.5	10.9	- 5.2	- .6	-	15.4
Machinery, except electrical	26.7	19.4	21.6	-7.3	2.2	30.1	6.3
Metalworking machinery	12.9	9.6	9.6	-3.3	.0	-	13.4
Electric and electronic equipment	9.4	8.1	7.9	-1.3	-	-	1.2
Transportation equipment	27.4	24.0	27.60	-3.4	3.6	105.8	63.4
Motor vehicles and equipment	12.7	9.2	10.0	-3.5	.8	22.8	32.5
Nondurable Goods	74.5	63.4	64.3	-11.1	.9	47.6	23.0
Food and kindred products	17.9	13.5	12.9	-4.4	- .6	-	-
Printing and publishing	13.0	11.6	12.5	-1.4	.9	64.3	119.5
Chemicals and allied products	22.5	21.2	21.2	-1.3	.0	-	-
CONSTRUCTION	27.4	20.4	23.5	-7.0	3.1	47.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	34.2	31.4	33.8	-2.8	2.4	85.7	20.9
Communication, electric, gas services	13.2	14.7	14.8	1.5	.1	+	-
WHOLESALE TRADE	37.8	36.5	41.1	-1.3	4.6	353.8	228.7
RETAIL TRADE	102.2	104.7	118.3	2.5	13.6	+	348.7
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.8	35.7	.7	2.9	+	+
SERVICES	117.4	129.7	147.1	12.3	17.4	+	+
GOVERNMENT	82.8	79.2	81.2	-3.6	2.0	55.6	132.6
Federal government	13.3	12.4	13.2	- .9	.8	88.8	260.1
State government	17.6	17.8	18.3	.2	.5	+	+
Local government	51.8	49.0	49.7	-2.8	.7	25.0	59.1

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

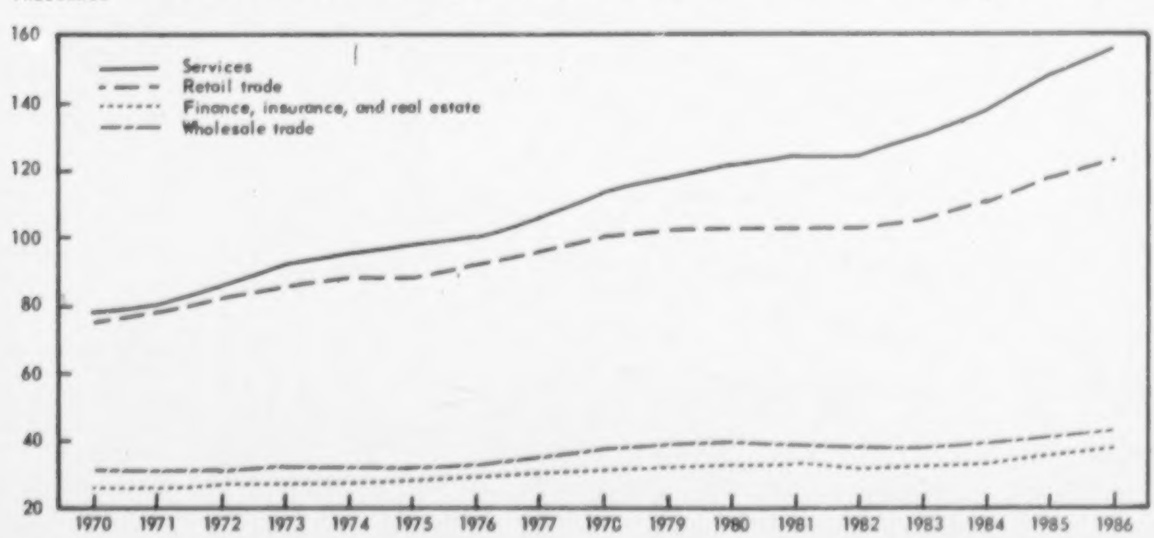
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CINCINNATI MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CINCINNATI MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	651.2	630.1	629.5	633.2	644.9	649.0	654.5	652.6	655.3	663.3	665.5	667.5	669.1
MANUFACTURING	147.9	148.5	147.8	147.0	147.0	144.2	147.9	147.5	148.7	149.3	149.2	149.4	148.6
Durable Goods[b]	82.2	83.5	82.9	82.2	82.1	79.0	82.2	82.0	82.4	82.7	82.6	82.7	82.6
Fabricated metal products	10.8	10.7	10.8	10.8	10.8	10.7	10.6	10.5	10.9	11.0	10.9	11.1	11.1
Fabricated structural metal products	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.1	4.2	4.3
Machinery, except electrical	21.0	21.6	21.5	21.4	21.4	21.3	21.3	21.0	20.8	20.6	20.5	20.3	20.1
Metalworking machinery	8.9	9.5	9.4	9.4	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.3
General industrial machinery	2.9	3.1	3.0	2.9	3.0	2.9	3.0	3.0	2.9	2.8	2.8	2.7	2.7
Electric and electronic equipment	7.7	7.9	7.9	7.9	7.7	7.7	7.5	7.6	7.7	7.7	7.7	7.6	7.4
Transportation equipment	28.1	28.8	28.4	27.6	27.7	24.9	28.0	28.3	28.3	28.5	28.6	28.9	29.2
Motor vehicles and equipment	8.5	9.8	9.7	8.7	8.7	5.8	8.6	8.6	8.4	8.4	8.4	8.5	8.7
Nondurable Goods[c]	65.7	65.0	64.9	64.8	64.9	65.2	65.7	65.5	66.3	66.5	66.6	66.6	66.0
Food and kindred products	13.0	12.7	12.7	12.7	12.7	12.9	13.1	13.1	13.3	13.2	13.2	13.2	13.2
Beverages	3.9	3.8	3.8	3.8	3.7	3.9	4.0	4.1	4.1	4.0	4.0	4.0	3.9
Apparel and other textile products	3.4	3.5	3.3	3.5	3.4	3.4	3.3	3.3	3.5	3.5	3.6	3.6	3.5
Paper and allied products	6.2	6.0	6.0	6.1	6.0	6.0	6.0	6.2	6.3	6.4	6.5	6.5	6.5
Printing and publishing	13.0	13.0	13.0	12.7	13.0	13.0	13.1	13.0	13.0	13.0	13.1	13.2	13.0
Commercial printing	5.5	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.4
Chemicals and allied products	22.1	21.8	21.8	21.9	21.8	21.8	22.0	22.1	22.3	22.4	22.3	22.3	22.3
Rubber and misc. plastics products	5.5	5.5	5.6	5.5	5.3	5.3	5.4	5.3	5.4	5.6	5.5	5.6	5.5
NONMANUFACTURING[d]	503.3	481.7	481.8	486.2	497.9	504.7	506.6	505.0	506.6	514.0	516.4	518.1	520.5
CONSTRUCTION	26.2	22.3	21.6	22.5	24.7	26.0	26.8	27.7	28.4	28.6	29.4	28.9	27.7
TRANSPORTATION AND PUBLIC UTILITIES	33.9	32.9	32.8	33.0	33.4	33.6	33.6	34.5	34.6	34.7	34.9	34.6	34.5
Trucking and warehousing	9.4	8.9	8.8	9.0	9.2	9.2	9.4	9.5	9.6	9.7	9.8	9.7	9.7
Communication, electric, gas services	15.1	14.7	14.7	14.7	14.8	14.8	14.9	15.5	15.5	15.4	15.3	15.3	15.3
WHOLESALE TRADE	42.7	41.8	41.6	41.8	41.9	42.4	42.8	43.1	43.1	43.2	43.4	43.6	43.8
Wholesale trade-durable goods	25.5	25.0	25.0	25.1	25.2	25.4	25.6	25.8	25.7	25.8	25.9	26.0	26.1

See footnotes at end of table.

RS-790-1-3 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a] (Continued)

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	122.8	118.5	116.6	117.4	120.0	121.7	122.7	123.2	124.2	125.1	126.4	127.8	29.9
General merchandise stores	18.9	19.0	17.9	18.0	18.1	18.1	18.4	18.3	18.5	18.9	19.6	20.3	21.4
FINANCE, INSURANCE, AND REAL ESTATE	37.9	36.5	36.5	36.6	37.3	37.9	38.2	38.4	38.5	38.5	38.6	38.8	39.0
Banking	8.1	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.1	8.2
Insurance carriers	12.4	11.9	12.0	12.0	12.2	12.3	12.4	12.5	12.6	12.6	12.7	12.7	12.7
SERVICES	154.6	145.2	146.6	148.4	153.6	156.1	157.9	158.5	159.1	158.8	156.4	156.8	157.5
Hotels and other lodging places	6.3	5.6	5.7	5.8	6.1	6.4	6.6	6.7	6.8	6.8	6.4	6.3	6.3
Personal services	8.0	7.9	7.9	8.0	8.1	7.8	7.8	8.0	8.0	7.9	8.0	8.1	8.1
Business services	35.3	32.1	32.7	33.2	34.7	35.3	35.7	36.0	36.7	36.9	36.5	36.7	36.6
Amusement and recreation services	8.0	5.3	5.2	5.7	7.9	9.3	10.5	11.0	10.8	9.5	6.8	6.8	7.5
Health services	48.7	47.7	47.9	47.9	48.1	48.3	48.6	48.9	49.0	48.9	49.4	49.6	49.9
Hospitals	23.4	23.1	23.2	23.2	23.2	23.2	23.3	23.5	23.6	23.7	23.7	23.6	23.8
GOVERNMENT	84.8	84.2	85.7	86.2	86.7	86.8	84.2	79.3	78.4	84.9	86.9	87.2	87.7
Federal government	14.1	13.8	14.4	14.5	14.7	14.2	14.0	13.8	13.8	13.8	14.0	14.0	14.1
State government	19.0	18.9	19.6	19.7	19.8	19.4	18.9	17.7	17.3	18.4	19.4	19.5	19.5
State government education	11.2	11.3	12.0	12.1	12.1	11.7	11.0	9.6	9.2	10.4	11.6	11.7	11.5
State government, except education ...	7.8	7.6	7.6	7.6	7.7	7.7	7.9	8.1	8.1	8.0	7.8	7.8	7.9
Local government	51.8	51.5	51.7	52.0	52.2	53.2	51.3	47.8	47.3	52.7	53.6	53.7	54.2
Local government education	29.8	29.9	30.5	30.5	30.5	31.1	28.9	25.2	24.8	30.3	31.6	32.0	32.6
Local government, except education ...	21.9	21.6	21.2	21.5	21.7	22.1	22.4	22.6	22.4	22.3	22.0	21.8	21.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-3 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	628.1	604.7	605.7	612.7	624.1	631.0	632.6	630.1	633.0	638.7	639.2	641.8	643.9
MANUFACTURING	147.1	144.3	144.3	145.2	146.3	147.3	147.6	148.1	148.3	148.5	148.0	149.0	149.0
Durable Goods[b]	82.8	81.4	81.2	82.2	82.6	83.1	83.2	83.3	83.4	83.6	83.3	83.1	83.2
Fabricated metal products	10.9	10.5	10.7	11.0	10.8	11.1	11.1	10.9	10.9	10.9	10.9	10.8	10.7
Fabricated structural metal products	4.0	3.8	3.8	4.1	3.9	4.1	4.1	4.1	4.1	4.2	4.0	4.0	3.9
Machinery, except electrical	21.6	21.6	21.6	21.6	21.8	21.6	21.6	21.6	21.4	21.5	21.7	21.7	21.6
Metalworking machinery	9.6	9.7	9.7	9.7	9.8	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6
General industrial machinery	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Electric and electronic equipment	7.9	8.3	8.2	8.1	7.9	7.9	7.7	7.8	7.8	7.7	7.6	7.7	7.8
Transportation equipment	27.6	26.9	26.8	27.1	27.2	27.4	27.8	27.6	27.8	28.1	28.1	28.4	28.7
Motor vehicles and equipment	10.0	10.2	10.1	10.2	10.1	10.1	10.1	9.9	9.9	9.9	9.8	9.9	10.0
Nondurable Goods[c]	64.3	62.9	63.1	63.0	63.7	64.2	64.4	64.8	64.9	64.9	64.6	65.9	65.7
Food and kindred products	12.9	12.4	12.3	12.4	12.7	12.6	12.8	13.1	13.1	13.0	13.1	13.3	13.4
Beverages	4.1	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.0	4.1	4.0
Apparel and other textile products	3.6	3.5	3.5	3.6	3.7	3.7	3.6	3.6	3.5	3.6	3.7	3.7	3.6
Paper and allied products	6.1	5.8	6.0	6.0	6.1	6.1	6.2	6.2	6.1	6.1	6.1	6.1	6.1
Printing and publishing	12.5	12.3	12.4	12.2	12.2	12.5	12.3	12.4	12.5	12.5	12.6	12.9	12.8
Commercial printing	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.6
Chemicals and allied products	21.2	20.9	20.8	20.7	20.9	21.1	21.2	21.4	21.4	21.5	20.8	21.7	21.7
Rubber and misc. plastics products	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.5
NONMANUFACTURING[d]	481.0	460.4	461.3	467.5	477.8	483.7	485.1	482.0	484.6	490.3	491.3	492.8	495.0
CONSTRUCTION	23.5	19.8	19.2	20.9	22.4	23.7	24.2	25.0	25.7	25.5	25.7	25.1	24.5
TRANSPORTATION AND PUBLIC UTILITIES	33.8	32.7	32.9	33.3	33.9	33.9	34.1	33.9	33.6	34.3	34.4	34.2	34.1
Trucking and warehousing	9.7	9.2	9.2	9.5	9.7	9.8	9.9	10.0	9.6	10.1	10.0	10.0	10.0
Communication, electric, gas services	14.8	14.7	14.7	14.7	14.7	14.7	14.8	14.9	14.9	14.8	14.8	14.7	14.7
WHOLESALE TRADE	41.1	40.1	40.2	40.4	40.6	41.1	41.0	41.3	41.4	41.4	41.7	41.8	41.9
Wholesale trade-durable goods	24.5	23.9	24.0	24.0	24.2	24.5	24.4	24.7	24.7	24.6	24.9	24.8	24.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	118.3	114.7	113.0	114.6	116.0	117.7	117.9	118.9	119.3	119.7	120.5	122.6	124.3
General merchandise stores	18.9	19.4	18.5	19.0	18.5	18.5	18.3	18.2	18.1	18.3	18.8	19.9	20.9
FINANCE, INSURANCE, AND REAL ESTATE	35.7	34.2	34.5	34.5	34.9	35.5	35.7	36.3	36.4	36.4	36.3	36.6	36.8
Banking	7.7	7.5	7.6	7.5	7.6	7.7	7.8	7.9	7.9	7.9	7.8	7.8	7.9
Insurance carriers	11.5	11.0	11.1	11.2	11.3	11.4	11.5	11.7	11.8	11.8	11.8	11.9	12.0
SERVICES	147.1	137.9	139.8	141.9	147.0	148.7	150.7	151.6	152.3	151.5	148.9	147.6	147.8
Hotels and other lodging places	6.0	5.6	5.6	5.7	6.0	6.2	6.3	6.4	6.3	6.2	6.0	6.0	5.9
Personal services	7.5	7.3	7.3	7.4	7.7	7.7	7.6	7.6	7.6	7.6	7.5	7.6	7.7
Business services	32.3	29.6	30.3	31.0	31.8	32.1	32.6	32.8	33.5	33.7	33.4	33.4	33.3
Amusement and recreation services	8.0	5.0	5.1	5.5	8.2	8.9	10.3	10.9	10.9	9.5	7.8	6.4	7.0
Health services	46.7	46.0	46.1	46.1	46.2	46.5	47.0	47.5	47.6	47.4	46.8	46.8	46.8
Hospitals	23.0	23.0	23.0	22.9	22.8	22.9	23.2	23.3	23.2	23.1	22.9	22.9	23.0
GOVERNMENT	81.2	80.7	81.4	81.6	82.5	82.6	81.0	74.7	75.6	81.0	83.4	84.4	85.3
Federal government	13.2	12.8	13.2	13.2	13.5	13.1	13.1	13.0	13.1	13.3	13.3	13.4	13.9
State government	18.3	18.2	18.7	18.7	18.9	18.5	17.9	16.8	16.6	17.7	19.1	19.2	19.2
State government education	10.9	10.9	11.4	11.4	11.6	11.2	10.5	9.2	9.1	10.3	11.8	11.8	11.6
State government, except education	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.5	7.5	7.4	7.3	7.3	7.6
Local government	49.7	49.7	49.5	49.7	50.1	51.1	50.0	44.9	45.9	50.0	51.1	51.8	52.2
Local government education	28.1	28.4	28.7	28.6	29.0	29.8	27.9	22.7	24.1	28.0	29.2	30.0	30.6
Local government, except education	21.6	21.3	20.9	21.0	21.2	21.3	22.1	22.2	21.8	22.0	21.9	21.8	21.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-3 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$10.76	$10.70	$10.78	$10.75	$10.67	$10.61	$10.64	$10.67	$10.73	$10.80	$10.80	$10.96	$10.98
Durable Goods[b]	10.84	10.78	10.86	10.73	10.75	10.51	10.67	10.74	10.77	10.94	10.96	11.16	11.13
Fabricated metal products	9.47	9.50	9.23	9.41	9.42	9.40	9.40	9.56	9.55	9.55	9.55	9.55	9.47
Fabricated structural metal products	9.90	9.90	9.62	9.85	9.93	9.72	9.86	10.13	10.13	9.95	10.00	10.00	9.69
Machinery, except electrical	9.92	9.74	9.86	9.94	9.95	10.03	9.83	9.91	9.96	9.95	10.00	10.00	9.88
Metalworking machinery	10.86	10.53	10.75	10.81	10.93	11.14	10.71	10.92	10.89	10.81	10.91	11.10	10.91
General industrial machinery	9.31	8.95	9.04	9.25	9.52	9.43	9.20	9.33	9.38	9.47	9.43	9.37	9.32
Electric and electronic equipment	8.85	8.93	8.93	8.94	8.83	8.80	8.76	8.63	8.60	8.96	8.84	8.98	8.95
Transportation equipment	14.40	14.12	14.24	14.17	14.23	14.07	14.10	14.22	14.38	14.58	14.63	15.01	14.86
Motor vehicles and equipment	15.42	15.30	15.43	15.52	15.64	15.92	15.28	14.87	15.28	15.39	15.51	15.49	15.51
Nondurable Goods[c]	10.68	10.61	10.69	10.78	10.59	10.71	10.61	10.59	10.69	10.63	10.62	10.76	10.81
Food and kindred products	10.95	10.88	10.83	10.84	10.76	10.90	10.83	10.98	11.00	11.08	10.92	11.14	11.24
Beverages	12.14	12.05	12.07	12.01	12.14	12.03	12.15	12.22	12.12	12.25	12.10	12.12	12.40
Apparel and other textile products	5.58	5.50	5.55	5.55	5.63	5.68	5.62	5.51	5.68	5.69	5.51	5.59	5.51
Paper and allied products	9.82	9.51	9.66	9.65	9.82	9.78	9.86	9.95	9.87	9.82	9.87	10.00	9.95
Printing and publishing	11.26	11.12	10.98	11.28	11.18	11.19	11.16	11.26	11.33	11.43	11.39	11.43	11.38
Commercial printing	11.79	11.74	11.43	11.93	11.71	11.74	11.68	11.77	11.88	11.96	11.85	11.91	11.87
Chemicals and allied products	12.32	12.33	12.50	12.57	12.25	12.33	12.22	12.05	12.44	12.08	12.25	12.44	12.35
Rubber and misc. plastics products	9.07	9.12	8.84	9.01	8.55	9.41	9.03	9.14	8.99	9.14	9.17	9.16	9.13
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.06	12.90	12.81	12.95	12.86	13.03	13.01	13.08	12.94	13.25	13.28	13.28	13.27
WHOLESALE TRADE	9.41	9.41	9.32	9.35	9.37	9.44	9.50	9.48	9.41	9.43	9.39	9.41	9.44
RETAIL TRADE[d]	5.53	5.43	5.47	5.47	5.49	5.47	5.52	5.50	5.51	5.59	5.62	5.61	5.63

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-3 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$42.1	$41.8	$41.3	$41.8	$41.4	$41.9	$41.7	$41.7	$42.2	$42.3	$42.5	$43.3	$43.0
Durable Goods[b]	42.3	41.9	41.7	42.0	41.9	42.2	42.0	41.5	42.0	42.6	42.7	43.4	43.6
Fabricated metal products	42.2	41.9	39.7	41.9	40.9	41.1	41.3	42.7	44.1	43.1	43.1	43.2	42.8
Fabricated structural metal products	43.3	43.8	37.7	43.5	41.9	42.1	42.2	46.6	47.2	44.6	43.9	43.6	42.5
Machinery, except electrical	42.4	41.8	41.6	42.9	42.9	43.2	42.0	41.5	42.2	42.2	42.4	43.4	43.1
Metalworking machinery	42.7	40.8	42.4	44.0	42.5	43.1	41.2	41.2	43.7	42.9	43.6	44.0	43.9
General industrial machinery	42.5	40.8	40.0	43.4	44.5	44.1	41.6	41.0	41.7	42.5	42.9	44.2	43.8
Electric and electronic equipment	40.7	41.4	39.8	41.0	40.1	40.4	41.6	39.5	39.7	41.2	40.9	41.1	41.2
Transportation equipment	44.8	43.7	45.5	43.9	44.5	45.3	44.2	43.6	43.4	45.4	45.1	46.2	46.9
Motor vehicles and equipment	44.2	45.4	45.5	43.7	44.5	47.1	44.2	40.7	42.0	44.8	44.4	44.3	44.8
Nondurable Goods[c]	41.8	41.7	40.8	41.6	40.7	41.7	41.4	41.9	42.4	41.9	42.3	43.2	42.4
Food and kindred products	42.6	41.5	40.5	40.9	41.4	43.0	42.3	44.4	44.1	43.6	42.8	43.3	43.7
Beverages	42.4	42.3	40.4	40.5	41.2	41.9	41.7	44.1	43.5	44.2	42.9	41.4	43.9
Apparel and other textile products	37.5	38.8	36.6	38.8	37.7	37.5	36.3	35.9	36.4	36.7	38.8	39.2	37.4
Paper and allied products	41.1	41.6	41.6	40.5	40.8	39.9	40.2	40.9	40.6	41.4	41.4	42.7	41.5
Printing and publishing	39.4	39.4	39.1	39.7	38.6	38.8	38.5	39.2	39.2	39.8	40.1	40.4	40.0
Commercial printing	42.4	42.8	42.1	42.9	41.4	40.1	39.7	41.7	42.3	43.5	44.4	43.9	44.4
Chemicals and allied products	42.8	42.5	42.3	43.5	42.0	42.8	42.6	42.3	43.5	42.2	42.7	44.3	42.7
Rubber and misc. plastics products	46.2	47.4	44.3	46.5	40.8	46.7	46.6	46.1	47.3	46.2	46.6	47.2	48.0
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	39.8	39.3	39.0	40.2	39.8	39.5	39.6	40.3	39.8	39.9	39.9	40.1	40.1
WHOLESALE TRADE	40.6	40.5	40.1	40.3	40.5	40.6	40.6	41.3	40.4	40.8	40.7	41.1	40.6
RETAIL TRADE	29.2	29.0	28.4	28.8	29.2	29.2	29.8	29.8	29.8	29.3	28.8	28.8	29.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-3 (1986)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

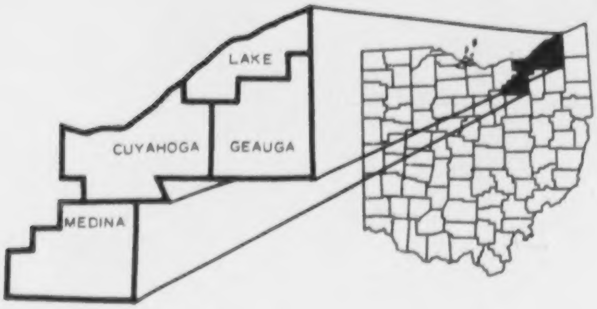
Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$453.00	$447.26	$445.21	$449.35	$441.74	$444.56	$443.69	$444.94	$452.81	$456.84	$459.00	$474.57	$472.14
Durable Goods[b]	458.53	451.68	452.86	450.66	450.43	443.52	448.14	445.71	452.34	466.04	467.99	484.34	485.27
Fabricated metal products	399.63	398.05	366.43	394.28	385.28	386.34	388.22	408.21	421.16	411.61	411.61	412.56	405.32
Fabricated structural metal products	428.67	433.62	362.67	428.48	416.07	409.21	416.09	472.06	478.14	443.77	439.00	436.00	411.83
Machinery, except electrical	420.61	407.13	410.18	426.43	426.86	433.30	412.86	411.27	420.31	419.89	424.00	434.00	425.83
Metalworking machinery	463.72	429.62	455.80	475.64	464.53	480.13	441.25	449.90	475.89	463.75	475.68	488.40	478.95
General industrial machinery	395.68	365.16	361.60	401.45	423.64	415.86	382.72	382.53	391.15	402.48	404.55	414.15	408.22
Electric and electronic equipment	360.20	369.70	355.41	366.54	354.08	355.52	364.42	340.89	341.42	369.15	361.56	369.08	368.74
Transportation equipment	645.12	617.04	647.92	622.06	633.24	637.37	623.22	619.99	624.09	661.93	659.81	693.46	696.93
Motor vehicles and equipment	681.56	694.62	702.07	678.22	695.98	749.83	675.38	605.21	641.76	689.47	688.64	686.21	694.85
Nondurable Goods[c]	446.42	442.44	436.15	448.45	431.01	446.61	439.25	443.72	453.26	445.40	449.23	464.83	458.34
Food and kindred products	466.47	451.52	438.62	443.36	445.46	468.70	458.11	487.51	485.10	483.09	467.38	482.36	491.19
Beverages	514.74	509.72	487.63	486.41	500.17	504.06	506.66	538.90	527.22	541.45	519.09	501.77	544.36
Apparel and other textile products	209.25	213.40	203.13	215.34	212.25	213.00	204.01	197.81	206.75	208.82	213.79	219.13	206.07
Paper and allied products	403.60	395.62	401.86	390.83	400.66	390.22	396.37	406.96	400.72	406.55	408.62	427.00	412.93
Printing and publishing	443.64	438.13	429.32	447.82	431.55	434.17	429.66	441.39	444.14	454.91	456.74	461.77	455.20
Commercial printing	499.90	502.47	481.20	511.80	484.79	470.77	463.70	490.81	502.52	520.26	526.14	522.85	527.03
Chemicals and allied products	527.30	524.03	528.75	546.80	514.50	527.72	520.57	509.72	541.14	509.78	523.08	551.09	527.35
Rubber and misc. plastics products	419.03	432.29	391.61	418.97	348.84	439.45	420.80	421.35	425.23	422.27	427.32	432.35	438.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	519.79	506.97	499.59	520.59	511.83	514.69	515.20	527.12	515.01	528.68	529.87	532.53	532.13
WHOLESALE TRADE	382.05	381.11	373.73	376.81	379.49	383.26	385.70	391.52	380.16	384.74	382.17	386.75	383.26
RETAIL TRADE[d]	161.48	157.47	155.35	157.54	160.31	159.72	164.50	163.90	164.20	163.79	161.86	161.57	164.96
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	249.22	241.18	247.29	252.49	248.47	249.10	222.48	254.18	250.95	253.20	256.07	258.81	256.54

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-3 (1986)

CLEVELAND

PRIMARY METROPOLITAN STATISTICAL AREA

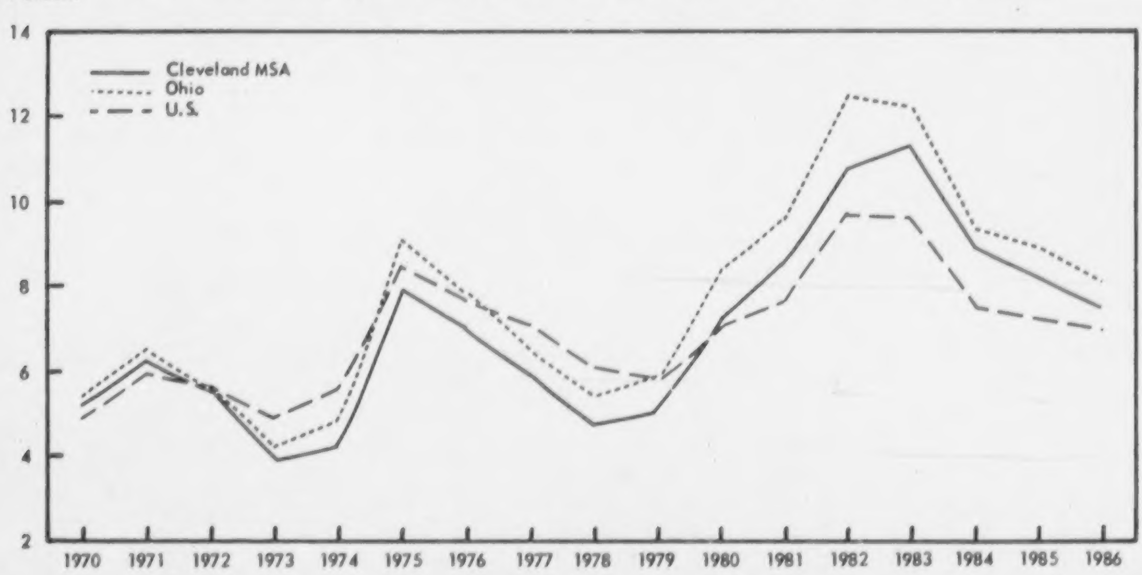


The estimated annual average civilian labor force in the Cleveland metropolitan area, based on place of residence, increased 8,300 from 1985, to 934,300 in 1986. Total employment rose 14,900 over the year, while unemployment declined 6,600. The unemployment rate dropped from 8.3 percent in 1985 to 7.5 percent in 1986. (See table, page 61, top.)

Nonagricultural wage and salary employment increased 12,100 over the year, to 880,800. The basis for continued recovery in the Cleveland area was an increase of 17,800 jobs in nonmanufacturing. This growth was concentrated in services: business services increased 4,500; health services, 4,200. Retail trade advanced 5,100. Although printing and publishing and chemicals and allied products registered slight gains, the decline in manufacturing employment accelerated as all other sectors lost jobs. Significant reductions occurred in nonelectrical machinery, primary metal industries, and fabricated metal products.

Nonfarm employment continued its post-recession expansion. However, the 1986 employment level remains 39,000 below that of 1979. Growth in services and retail trade contributed most to the recovery, although all nonmanufacturing divisions increased since 1983. Manufacturing gains realized in 1984 and 1985 were negated as reductions in 1986 dropped employment below the 1983 level. All durable-goods industries reflected the downturn except fabricated metal products. Primary metal industries, electric and electronic equipment, and motor vehicles and equipment showed the greatest losses. (See table, page 61, bottom.)

CLEVELAND MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Cleveland Primary Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				PMSA	Ohio	U.S.
1971	866.7	811.7	55.0	6.3	6.5	5.9
1972	873.2	825.2	47.8	5.5	5.5	5.6
1973	883.9	849.0	34.9	3.9	4.3	4.9
1974	899.1	861.4	37.7	4.2	4.8	5.6
1975	896.9	826.3	70.6	7.9	9.1	8.5
1976	897.7	834.4	63.3	7.0	8.6	7.7
1977	908.5	854.4	54.0	5.9	6.5	7.1
1978	921.7	878.5	43.2	4.7	5.4	6.1
1979	935.8	889.1	46.7	5.0	5.9	5.8
1980	937.1	869.1	68.0	7.3	8.4	7.1
1981	933.9	854.0	79.8	8.5	9.6	7.6
1982	933.4	833.2	100.2	10.7	12.5	9.7
1983	928.7	823.4	105.3	11.3	12.2	9.6
1984	923.6	841.0	82.6	8.9	9.4	7.5
1985	926.0	849.2	76.8	8.3	8.9	7.2
1986	934.3	864.1	70.2	7.5	8.1	7.0

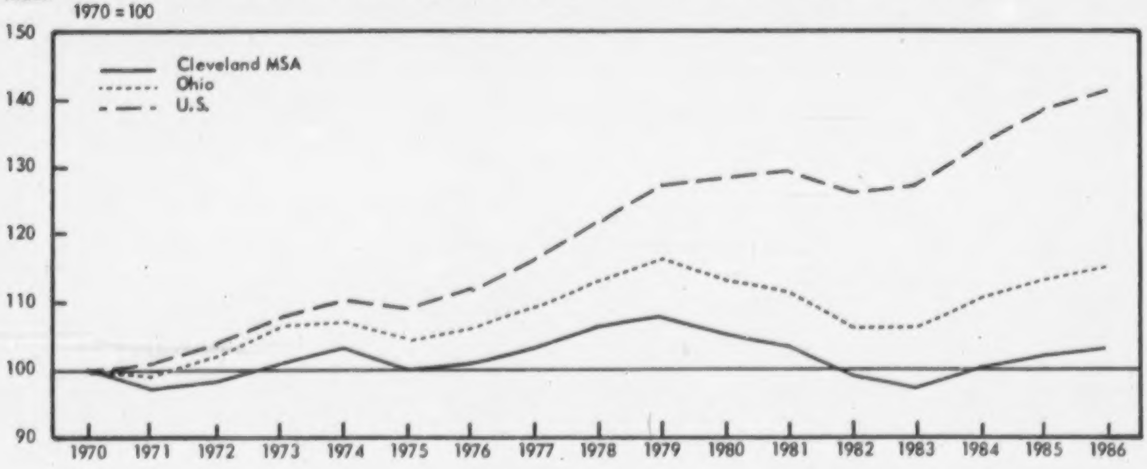
[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

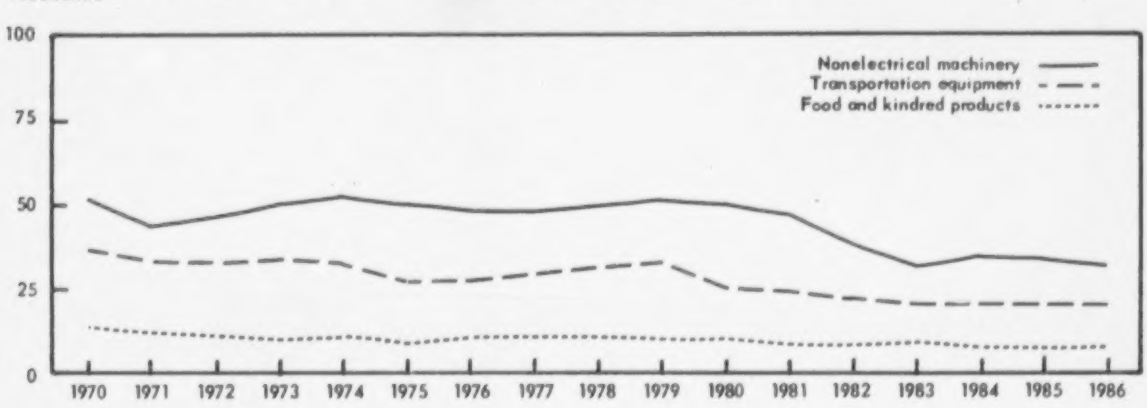
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	PMSA	Ohio
TOTAL	919.8	829.8	880.8	-90.0	51.0	56.9	97.6
MANUFACTURING	276.3	207.3	205.5	-69.0	- 1.8	-	13.7
Durable goods	205.1	143.9	141.3	-61.2	- 2.6	-	11.5
Primary metal industries	31.6	24.1	21.3	- 7.5	- 2.8	-	-
Fabricated metal products	45.5	31.1	32.5	-14.4	1.4	9.7	15.4
Machinery, except electrical	50.7	30.9	30.8	-19.8	- .1	-	6.3
Electric and electronic equipment	26.5	21.3	19.5	- 5.2	- 1.8	-	1.2
Transportation equipment	31.8	20.3	19.5	-11.5	- .8	-	63.4
Motor vehicles and equipment	24.0	13.9	12.3	-10.1	- 1.6	-	32.5
Nondurable Goods	71.2	63.4	64.2	- 7.8	.8	10.4	23.0
CONSTRUCTION	33.5	25.3	25.9	- 8.2	.6	7.3	57.6
TRANSPORTATION AND PUBLIC UTILITIES	47.8	40.9	41.3	- 6.9	.4	5.8	20.9
Communication, electric, gas services	18.9	19.4	18.8	.5	- .6	-	-
WHOLESALE TRADE	65.3	58.9	62.3	- 6.4	3.4	53.1	228.7
RETAIL TRADE	146.8	135.9	151.6	-10.9	15.7	144.0	348.7
FINANCE, INSURANCE, AND REAL ESTATE	47.9	48.4	51.9	.5	3.5	+	+
SERVICES	182.5	195.7	224.4	13.2	28.7	+	+
GOVERNMENT	118.2	116.1	116.8	- 2.1	.7	33.3	132.6

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

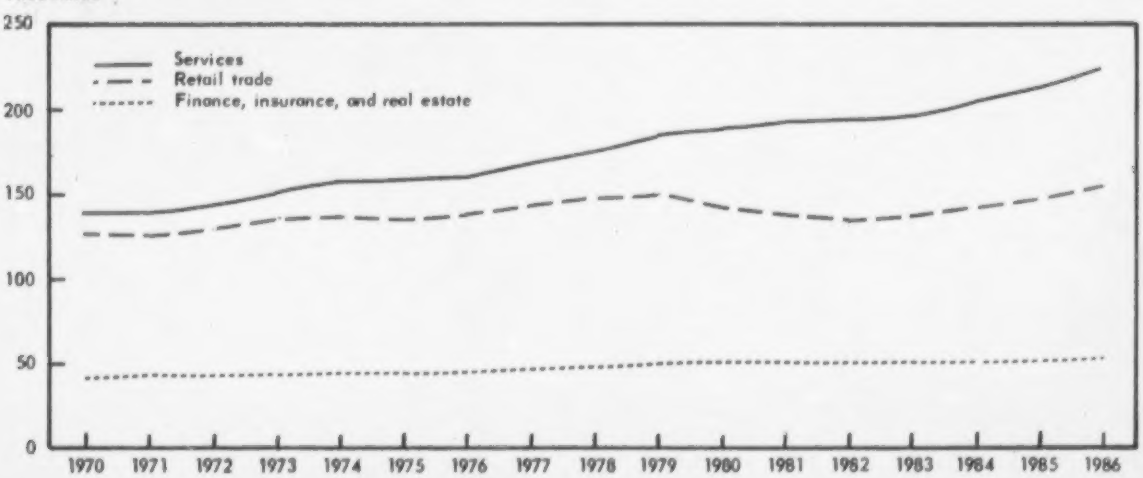
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CLEVELAND MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CLEVELAND MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	880.8	859.3	857.0	860.7	874.0	880.6	890.8	889.6	887.6	889.4	890.6	893.9	896.5
MANUFACTURING	205.5	206.8	205.5	205.6	206.3	206.1	207.4	204.7	204.1	205.5	203.8	205.2	205.4
Durable Goods[b]	141.3	143.1	142.2	142.3	142.7	142.3	142.4	140.2	139.5	140.8	139.3	140.3	140.5
Primary metal industries	21.3	21.6	21.5	21.6	21.5	21.5	21.4	21.0	21.0	21.2	21.0	21.3	21.3
Iron and steel foundries	5.5	5.6	5.7	5.6	5.6	5.6	5.4	5.4	5.3	5.4	5.3	5.4	5.4
Fabricated metal products	32.5	32.7	32.3	32.4	32.6	32.6	32.7	32.0	32.3	32.7	32.4	32.4	32.6
Fabricated structural metal products	3.8	3.8	3.6	3.6	3.6	3.9	3.9	3.9	3.8	3.9	3.8	3.8	3.9
Screw machine products, bolts, etc.	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.7	4.7	4.7	4.6	4.6
Metal forgings and stampings	11.0	11.2	11.1	11.2	11.2	11.1	11.0	10.6	10.8	11.0	11.0	11.1	11.3
Machinery, except electrical	30.8	31.4	31.0	31.0	31.1	30.9	30.9	30.8	30.6	30.7	30.5	30.5	30.6
Construction and related machinery	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.5
Metalworking machinery	10.1	10.4	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.0	10.0	9.9	10.1
Special industry machinery	3.4	3.5	3.4	3.4	3.3	3.3	3.2	3.4	3.4	3.4	3.4	3.5	3.5
General industrial machinery	2.9	2.9	3.0	2.9	2.9	2.9	3.0	2.9	2.8	2.9	2.9	2.9	2.9
Electric and electronic equipment	19.5	20.0	20.1	19.9	19.6	19.5	19.4	19.4	19.2	19.1	19.1	19.2	19.1
Electrical industrial apparatus	6.8	7.0	7.0	7.0	6.8	6.9	6.9	6.8	6.8	6.5	6.5	6.5	6.5
Transportation equipment	19.5	19.9	19.8	19.9	20.0	19.9	19.9	19.2	18.4	19.3	18.7	19.4	19.5
Motor vehicles and equipment	12.3	12.6	12.6	12.6	12.6	12.6	12.6	11.9	11.4	12.2	11.6	12.4	12.5
Instruments and related products	7.6	7.9	7.7	7.7	7.8	7.8	7.8	7.6	7.5	7.5	7.3	7.2	7.2
Measuring and controlling devices	4.3	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Nondurable Goods[c]	64.2	63.7	63.4	63.4	63.6	63.8	64.9	64.5	64.6	64.7	64.5	64.9	64.9
Food and kindred products	6.6	6.5	6.5	6.5	6.6	6.6	6.7	6.7	6.6	6.7	6.7	6.8	6.9
Apparel and other textile products	4.4	4.7	4.5	4.5	4.4	4.4	4.4	4.3	4.2	4.3	4.3	4.4	4.4
Paper and allied products	5.4	5.4	5.4	5.4	5.3	5.4	5.3	5.3	5.4	5.4	5.4	5.5	5.5
Printing and publishing	16.4	16.0	15.9	16.0	16.0	15.9	16.6	16.7	16.8	16.6	16.8	16.7	16.6
Chemicals and allied products	14.4	14.2	14.2	14.1	14.4	14.4	14.7	14.8	14.7	14.5	14.4	14.3	14.6
Rubber and misc. plastics products	11.8	11.8	11.8	11.8	11.7	11.8	11.9	11.4	11.6	11.9	11.8	12.1	11.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	675.3	652.6	651.4	655.1	667.6	674.4	683.4	684.9	683.5	683.9	686.7	688.7	691.1
CONSTRUCTION	25.9	23.0	22.0	22.4	24.4	26.2	27.3	28.0	28.4	28.4	28.0	27.0	25.1
TRANSPORTATION AND PUBLIC UTILITIES	41.3	40.3	40.4	40.7	40.9	41.0	41.4	41.3	41.6	41.8	41.9	42.0	42.5
Trucking and warehousing	11.4	11.0	11.0	11.2	11.1	11.2	11.3	11.2	11.4	11.5	11.6	11.9	12.5
Communication, electric, gas services	18.8	18.7	18.7	18.7	18.6	18.6	18.6	18.8	19.0	18.9	18.8	18.8	18.8
WHOLESALE TRADE	62.3	62.1	61.8	61.8	62.5	62.4	62.7	62.4	62.5	62.3	62.3	62.4	62.5
Wholesale trade-durable goods	43.4	43.6	43.3	43.2	43.7	43.6	43.5	43.4	43.4	43.3	43.3	43.3	43.4
RETAIL TRADE	151.6	147.4	145.3	145.8	148.4	150.3	152.9	152.7	153.3	153.4	154.0	155.9	159.5
General merchandise stores	20.4	21.0	19.8	19.2	19.4	19.8	19.9	19.9	20.0	20.2	20.7	21.8	22.9
FINANCE, INSURANCE, AND REAL ESTATE	51.9	49.8	50.0	50.4	50.9	51.4	52.3	52.9	53.2	53.1	52.9	53.0	53.4
Banking	13.0	12.8	12.8	12.9	12.8	12.9	13.0	13.2	13.2	13.1	13.0	13.1	13.2
Credit agencies other than banks	8.5	8.0	8.0	8.1	8.2	8.4	8.5	8.8	8.9	8.8	8.8	8.8	8.9
Insurance carriers	12.5	11.9	12.1	12.2	12.3	12.4	12.6	12.8	12.9	12.9	12.8	12.8	12.9
SERVICES	224.4	214.2	215.1	216.9	223.6	225.4	227.5	226.0	226.1	229.2	229.7	229.7	229.2
Business services	49.7	47.1	47.3	47.7	49.4	49.3	50.3	50.0	50.7	51.5	51.0	51.0	51.3
Amusement and recreation services	8.1	6.1	6.1	6.7	7.9	9.2	9.8	10.1	10.2	9.7	7.9	7.2	6.8
Health services	71.5	69.0	69.2	69.4	70.7	71.1	71.8	72.3	72.5	72.6	72.9	73.1	73.2
Hospitals	40.7	38.8	38.8	38.9	40.3	40.5	40.7	41.2	41.4	41.9	42.0	42.2	42.3
GOVERNMENT	116.8	114.6	115.7	116.0	115.9	116.5	118.2	120.3	117.3	114.5	116.8	117.7	117.8
Federal government	20.1	20.1	19.9	19.8	20.0	20.0	20.1	20.2	20.2	20.2	20.2	20.1	20.2
State government	8.1	7.9	8.1	8.1	8.5	7.9	8.3	8.0	7.8	7.6	8.2	8.0	8.5
State government education	2.9	3.0	3.1	3.2	3.1	2.9	3.0	2.6	2.3	2.4	3.1	3.0	3.3
State government, except education	5.2	5.0	4.9	5.0	5.3	5.0	5.3	5.4	5.5	5.2	5.1	5.0	5.2
Local government	88.6	86.5	87.6	88.1	87.4	88.6	89.8	92.1	89.2	86.7	88.4	89.5	89.2
Local government education	42.5	42.0	43.3	43.6	42.8	43.1	42.6	42.1	39.5	41.1	42.9	43.8	43.6
Local government, except education	46.1	44.5	44.4	44.6	44.6	45.5	47.2	50.0	49.7	45.6	45.5	45.7	45.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-4 (1986)

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	868.7	848.4	845.3	851.4	861.4	870.8	877.1	877.5	875.7	876.3	877.8	880.0	882.6
MANUFACTURING	211.2	212.9	212.1	212.3	211.3	211.9	212.2	211.0	210.4	210.4	210.2	209.9	209.3
Durable Goods[b]	146.3	148.3	147.6	147.7	146.7	147.2	146.9	146.0	145.0	145.3	145.3	145.3	144.8
Primary metal industries	22.3	23.2	23.1	23.1	22.6	22.6	22.5	22.0	21.5	21.6	21.7	21.7	21.7
Iron and steel foundries	5.5	5.8	5.7	5.5	5.4	5.5	5.6	5.6	5.4	5.5	5.5	5.5	5.6
Fabricated metal products	33.2	33.4	33.2	33.2	33.2	33.5	33.4	33.2	33.0	33.1	33.2	33.3	33.2
Fabricated structural metal products	3.8	3.6	3.5	3.5	3.7	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0
Screw machine products, bolts, etc.	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7
Metal forgings and stampings	11.2	11.4	11.4	11.4	11.3	11.4	11.1	10.8	10.7	10.9	11.2	11.3	11.2
Machinery, except electrical	32.9	33.8	33.6	33.7	33.4	33.2	33.1	32.8	32.6	32.5	32.4	32.0	31.8
Construction and related machinery	3.4	4.2	4.1	4.0	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.9	2.7
Metalworking machinery	10.6	10.7	10.7	10.8	10.7	10.7	10.6	10.6	10.6	10.6	10.6	10.4	10.4
Special industry machinery	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.7	3.7	3.6
General industrial machinery	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	2.9	2.9	2.9
Electric and electronic equipment	20.0	19.9	19.9	20.0	20.0	19.9	19.8	19.8	20.1	20.1	20.2	20.2	20.2
Electrical industrial apparatus	7.0	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.9	7.0	7.1
Transportation equipment	19.9	20.3	20.2	20.2	20.0	20.1	20.1	20.0	19.5	19.8	19.6	19.7	19.8
Motor vehicles and equipment	12.8	13.2	13.2	13.2	12.9	13.0	12.9	12.7	12.2	12.5	12.3	12.4	12.4
Instruments and related products	7.9	7.9	7.9	7.8	7.8	7.8	7.9	8.1	8.0	8.0	8.0	8.0	8.0
Measuring and controlling devices	4.2	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3
Nondurable Goods[c]	64.8	64.7	64.6	64.6	64.6	64.7	65.3	65.0	65.4	65.1	64.9	64.6	64.6
Food and kindred products	6.8	6.9	6.8	6.8	6.7	6.8	6.9	6.8	6.8	6.8	6.8	6.8	6.8
Apparel and other textile products	4.8	4.9	5.0	4.9	4.9	4.9	4.9	4.8	4.7	4.7	4.8	4.7	4.7
Paper and allied products	5.4	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5
Printing and publishing	16.0	15.8	15.8	15.9	15.9	15.9	16.1	15.9	16.0	15.9	16.1	16.4	16.4
Chemicals and allied products	14.2	14.0	14.1	14.2	14.1	14.2	14.3	14.3	14.6	14.5	14.1	14.0	14.0
Rubber and misc. plastics products	11.8	11.8	11.8	11.6	11.7	11.7	11.8	11.7	11.7	11.8	11.9	11.9	11.9

See footnotes at end of table.

RS-790-1-4 (1985)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	657.5	635.5	633.2	639.1	650.1	658.9	664.9	666.5	665.3	665.9	667.5	670.2	673.2
CONSTRUCTION	27.5	24.1	23.2	24.0	26.2	27.9	28.9	29.8	30.2	30.4	30.0	28.6	27.2
TRANSPORTATION AND PUBLIC UTILITIES	41.1	40.0	39.8	40.1	40.8	41.4	41.6	41.5	41.7	41.6	41.6	41.8	41.9
Trucking and warehousing	11.3	10.8	10.9	11.0	11.0	11.2	11.2	11.4	11.5	11.5	11.5	11.6	11.8
Communication, electric, gas services	18.5	18.0	18.0	18.1	18.3	18.4	18.6	18.7	18.7	18.6	18.7	18.8	18.7
WHOLESALE TRADE	62.8	62.1	61.9	62.1	62.5	62.8	63.4	62.9	63.1	63.0	63.0	63.0	63.3
Wholesale trade-durable goods	43.9	43.2	43.0	43.2	43.7	44.0	44.3	44.0	44.2	44.1	44.4	44.4	44.6
RETAIL TRADE	146.5	141.7	138.8	140.8	143.0	146.7	147.2	147.1	147.6	147.9	149.4	151.5	156.1
General merchandise stores	20.6	21.7	19.8	19.8	19.9	20.4	20.3	19.8	19.7	20.1	20.7	21.7	23.0
FINANCE, INSURANCE, AND REAL ESTATE	49.5	48.6	48.7	48.7	48.7	48.9	49.8	50.1	50.3	50.1	50.1	50.1	50.3
Banking	12.8	12.7	12.7	12.7	12.6	12.7	12.8	13.0	13.0	12.9	12.8	12.8	12.8
Credit agencies other than banks	8.0	7.9	8.0	8.0	7.9	7.9	8.0	8.1	8.1	8.1	8.1	8.1	8.1
Insurance carriers	11.7	11.1	11.2	11.2	11.5	11.6	11.8	11.8	12.0	12.1	12.0	12.0	12.1
SERVICES	213.2	203.9	204.6	206.8	211.9	214.5	215.7	214.6	215.2	218.4	218.0	217.9	217.2
Business services	45.2	41.7	41.6	42.6	44.2	45.1	45.7	45.5	46.4	48.0	47.2	47.2	47.5
Amusement and recreation services	8.1	7.2	6.5	6.9	7.6	8.7	9.2	9.6	9.5	9.5	8.1	7.4	7.1
Health services	67.3	65.7	65.7	65.7	66.4	66.7	67.4	67.7	67.9	68.2	68.6	68.7	69.0
Hospitals	38.1	37.6	37.7	37.7	37.8	37.9	38.0	38.2	38.4	38.4	38.5	38.6	38.6
GOVERNMENT	115.7	114.0	115.2	115.5	115.9	115.5	117.1	119.3	116.2	113.3	114.4	116.1	116.0
Federal government	19.8	19.4	19.4	19.4	19.9	19.5	19.7	20.0	20.0	19.8	19.8	20.1	20.2
State government	7.9	7.6	7.9	8.1	8.3	7.7	8.2	7.8	7.5	7.4	8.0	7.8	8.2
State government education	2.8	2.6	3.0	3.1	3.0	2.8	3.0	2.6	2.3	2.3	3.1	2.9	3.2
State government, except education	5.0	5.0	4.9	4.9	5.3	4.9	5.2	5.2	5.2	5.1	4.9	4.9	5.0
Local government	88.1	87.0	87.8	88.0	87.7	88.2	89.3	91.6	88.6	86.1	86.6	88.2	87.5
Local government education	42.8	43.0	44.4	44.4	44.0	43.6	42.5	41.9	39.5	41.0	42.5	43.7	43.4
Local government, except education	45.2	44.1	43.4	43.6	43.7	44.6	46.8	49.7	49.2	45.1	44.0	44.6	44.1

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Includes mining. [e]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-4 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.44	$11.34	$11.39	$11.50	$11.45	$11.39	$11.41	$11.25	$11.40	$11.44	$11.41	$11.61	$11.65
Durable Goods[b]	12.05	11.96	12.03	12.18	12.09	11.97	12.03	11.79	11.97	12.03	12.02	12.23	12.26
Primary metal industries	13.55	13.58	13.59	13.65	13.57	13.48	13.36	13.20	13.42	13.57	13.54	13.65	13.93
Iron and steel foundries	16.49	16.70	16.56	16.78	16.53	16.35	15.93	15.69	16.28	16.39	16.49	16.68	17.23
Fabricated metal products	11.68	11.46	11.59	11.74	11.67	11.62	11.72	11.39	11.57	11.69	11.72	11.84	12.09
Fabricated structural metal products..	9.27	9.12	9.23	9.35	9.29	9.12	9.21	9.29	9.32	9.45	9.13	9.23	9.48
Screw machine products, bolts, etc. ..	10.29	10.28	10.09	10.31	10.28	10.21	10.22	10.20	10.38	10.42	10.34	10.43	10.38
Metal forgings and stampings	14.46	14.05	14.45	14.51	14.53	14.46	14.71	14.15	14.34	14.51	14.47	14.56	14.73
Machinery, except electrical	11.01	10.91	11.00	11.20	11.17	10.95	11.07	10.92	11.00	10.83	10.91	11.01	11.09
Construction and related machinery ...	9.60	9.67	9.77	9.61	9.59	9.72	9.95	9.72	9.63	9.54	9.50	9.24	9.19
Metalworking machinery	10.14	10.08	10.07	10.18	10.08	10.10	10.03	10.17	10.07	10.11	10.19	10.26	10.28
Special industry machinery	11.78	11.71	11.76	11.38	11.47	11.62	11.72	12.03	11.88	11.89	11.89	11.99	12.01
General industrial machinery	10.82	10.46	10.58	10.57	10.65	10.68	10.79	10.83	10.90	11.02	11.03	11.09	11.18
Electric and electronic equipment	10.43	10.31	10.47	10.51	10.43	10.38	10.36	10.53	10.28	10.46	10.51	10.47	10.45
Electrical industrial apparatus	10.95	11.08	11.19	11.11	11.02	10.92	10.71	10.86	10.70	10.88	10.95	10.98	10.94
Transportation equipment	15.07	14.90	14.99	15.26	15.12	14.89	14.98	14.63	15.16	15.12	15.05	15.51	15.21
Motor vehicles and equipment	15.81	15.65	15.77	16.07	15.89	15.59	15.69	15.29	15.98	15.83	15.82	16.22	15.87
Instruments and related products	9.85	9.91	9.90	10.04	9.75	9.70	9.65	9.69	9.62	9.82	9.86	10.09	10.12
Measuring and controlling devices	9.65	9.47	9.56	9.79	9.42	9.48	9.54	9.56	9.50	9.63	9.66	10.05	10.07
Nondurable Goods[c]	9.87	9.74	9.72	9.72	9.73	9.84	9.83	9.93	9.95	9.96	9.89	10.03	10.08
Food and kindred products	9.18	9.13	9.08	9.05	9.18	9.23	9.14	9.24	9.26	9.27	9.13	9.29	9.09
Apparel and other textile products	7.80	7.64	7.67	7.58	7.66	7.71	7.68	7.99	8.12	8.02	7.96	7.84	7.78
Paper and allied products	10.63	10.31	10.35	10.36	10.39	10.58	10.63	10.76	10.65	10.96	10.81	10.86	10.90
Printing and publishing	10.72	10.39	10.52	10.61	10.52	10.86	10.72	10.80	10.90	10.70	10.62	10.93	10.99
Chemicals and allied products	11.45	11.26	11.30	11.26	11.44	11.32	11.41	11.38	11.54	11.52	11.51	11.77	11.69
Rubber and misc. plastics products	8.72	8.99	8.66	8.51	8.58	8.66	8.67	8.65	8.59	8.78	8.76	8.82	8.88
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.57	13.23	13.27	13.45	13.32	13.47	13.62	13.66	13.53	13.78	13.83	13.79	13.89
WHOLESALE TRADE	9.80	9.80	9.68	9.67	9.65	9.75	9.75	9.73	9.85	9.85	9.93	9.95	9.96
RETAIL TRADE[d]	6.26	6.20	6.27	6.25	6.27	6.25	6.24	6.21	6.13	6.37	6.34	6.30	6.30
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.09	9.85	9.88	9.90	9.95	9.99	10.05	10.03	10.18	10.25	10.39	10.33	10.29

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-4 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.1	41.8	41.9	42.4	41.9	41.5	42.1	40.6	42.1	42.4	42.1	43.1	43.4
Durable Goods[b]	42.6	42.2	42.5	42.9	42.5	42.1	42.4	40.7	42.6	42.7	42.5	43.7	44.3
Primary metal industries	43.0	42.8	42.8	42.8	42.1	41.9	42.6	39.4	43.5	43.6	43.8	44.7	45.9
Iron and steel foundries	49.1	50.7	49.3	50.2	48.5	48.3	46.9	43.2	49.0	48.4	49.6	51.0	54.0
Fabricated metal products	42.6	41.9	42.0	42.4	42.9	42.4	42.5	40.9	42.5	42.9	42.7	43.4	45.0
Fabricated structural metal products	41.0	40.2	40.0	39.0	43.5	41.5	40.9	40.6	42.3	43.6	40.3	39.0	41.1
Screw machine products, bolts, etc.	42.4	42.8	42.5	42.8	42.7	42.3	42.2	42.1	43.2	41.8	41.7	42.0	42.7
Metal forgings and stampings	45.3	43.7	44.4	45.1	45.3	44.5	45.5	42.7	44.5	45.2	45.2	46.9	49.7
Machinery, except electrical	42.2	41.8	42.4	42.6	42.4	41.9	42.2	40.8	42.5	41.4	41.6	42.8	43.5
Construction and related machinery	44.4	43.6	43.8	42.2	41.8	41.4	45.2	44.8	46.6	45.8	45.6	45.6	46.4
Metalworking machinery	40.6	40.0	39.5	40.2	39.7	40.9	40.4	40.3	40.3	40.3	40.5	42.3	42.2
Special industry machinery	40.9	42.3	43.6	40.8	40.5	40.0	38.7	40.6	41.4	41.4	40.3	39.9	41.0
General industrial machinery	43.3	41.9	43.0	42.1	42.7	44.2	43.9	44.8	42.0	42.3	43.5	45.1	44.4
Electric and electronic equipment	40.0	39.8	40.5	40.5	40.1	39.7	39.7	39.2	39.3	40.7	40.2	40.5	40.3
Electrical industrial apparatus	40.2	40.6	41.0	40.7	40.3	39.9	40.3	39.0	38.8	41.2	40.6	41.5	38.8
Transportation equipment	46.6	46.1	46.1	47.4	46.6	45.8	46.9	44.1	47.6	46.4	45.2	49.0	47.5
Motor vehicles and equipment	46.7	46.1	46.1	47.7	46.6	45.5	47.1	43.2	48.1	46.6	45.4	49.8	47.8
Instruments and related products	41.4	42.7	41.4	43.6	40.5	40.9	39.8	40.3	39.8	41.5	40.8	41.7	43.5
Measuring and controlling devices	41.0	41.9	40.8	42.9	39.6	40.2	39.6	40.8	39.4	41.7	40.9	41.0	43.1
Nondurable Goods[c]	40.9	40.7	40.4	41.1	40.3	40.0	41.2	40.5	40.9	41.6	41.1	41.6	41.5
Food and kindred products	41.9	41.8	41.0	40.5	41.0	41.1	42.1	42.3	42.6	43.4	42.3	41.9	42.5
Apparel and other textile products	37.9	36.4	37.4	37.7	36.4	36.9	38.2	38.8	38.9	38.5	38.8	38.9	38.5
Paper and allied products	43.2	43.9	42.6	42.9	42.9	42.4	42.9	42.5	42.1	44.7	43.5	43.3	44.6
Printing and publishing	38.0	37.2	37.4	39.1	37.5	37.6	38.1	37.1	37.4	38.4	37.6	39.7	38.5
Chemicals and allied products	42.4	42.1	42.2	42.3	41.7	41.5	42.1	42.2	42.8	43.2	43.2	42.9	43.1
Rubber and misc. plastics products	42.6	43.9	42.6	43.0	42.4	41.1	43.3	41.1	42.3	43.0	43.0	42.6	42.9
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.3	40.7	40.6	41.2	40.9	41.0	41.9	41.8	41.0	41.5	41.7	41.7	41.8
WHOLESALE TRADE	39.6	39.4	39.1	39.2	39.7	39.4	39.4	39.9	39.9	39.5	39.7	39.6	40.1
RETAIL TRADE	28.3	27.8	27.6	27.6	27.7	28.2	28.9	29.0	28.7	28.8	28.4	28.4	28.6
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.2	33.9	34.0	33.2	33.4	33.0	32.9	33.2	33.3	33.0	32.6	32.9	32.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 432:6 3-24-87 RS-790-3-4 (1986)

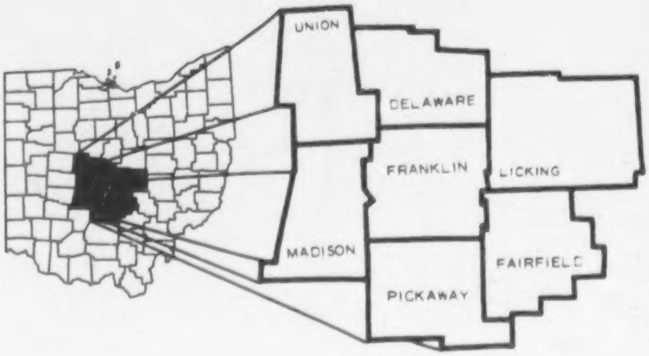
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$481.62	$474.01	$477.24	$487.60	$479.76	$472.69	$480.36	$456.75	$479.94	$485.06	$480.36	$500.39	$505.61
Durable Goods[b]	513.33	504.71	511.28	522.52	513.83	503.94	510.07	479.85	509.92	513.68	510.85	534.45	543.12
Primary metal industries	582.65	581.22	581.65	584.22	571.30	564.81	569.14	520.08	583.77	591.65	593.05	610.16	639.39
Iron and steel foundries	809.66	846.69	816.41	842.36	801.71	789.71	747.12	677.81	797.72	793.28	817.90	850.68	930.42
Fabricated metal products	497.57	480.17	486.78	497.78	500.64	492.69	498.10	465.85	491.73	501.50	500.44	513.86	544.05
Fabricated structural metal products	380.07	366.62	369.20	364.65	404.12	378.48	376.69	377.17	394.24	412.02	367.94	359.97	389.63
Screw machine products, bolts, etc.	436.30	439.98	428.83	441.27	438.96	431.88	431.28	429.42	448.42	435.56	431.18	438.06	443.23
Metal forgings and stampings	655.04	613.99	641.58	654.40	658.21	643.47	669.31	604.21	638.13	655.85	654.04	682.86	732.08
Machinery, except electrical	464.62	456.04	466.40	477.12	473.61	458.81	467.15	445.54	467.50	448.36	453.86	471.23	482.42
Construction and related machinery	426.24	421.61	427.93	405.54	400.86	402.41	449.74	435.46	448.76	436.93	433.20	421.34	426.42
Metalworking machinery	411.68	403.20	397.77	409.24	400.18	413.09	405.21	409.85	405.82	407.43	412.70	434.00	433.82
Special industry machinery	481.80	495.33	512.74	464.30	464.54	464.80	453.56	488.42	491.83	492.25	479.17	478.40	492.41
General industrial machinery	468.51	438.27	454.94	445.00	454.76	472.06	473.68	485.18	457.80	466.15	479.81	500.16	496.39
Electric and electronic equipment	417.20	410.34	424.04	425.66	418.24	412.09	411.29	412.78	404.00	425.72	422.50	424.04	421.14
Electrical industrial apparatus	440.19	449.85	458.79	452.18	444.11	435.71	431.61	423.54	415.16	448.26	444.57	455.67	424.47
Transportation equipment	702.26	686.89	691.04	723.32	704.59	681.96	702.56	645.18	721.62	701.57	680.26	759.99	722.48
Motor vehicles and equipment	738.33	721.47	727.00	766.54	740.47	709.35	739.00	660.53	768.64	737.68	718.23	807.76	758.59
Instruments and related products	407.79	423.16	409.86	437.74	394.88	396.73	384.07	390.51	382.88	407.53	402.29	420.75	440.22
Measuring and controlling devices	395.65	396.79	390.05	419.99	373.03	381.10	377.78	390.05	374.30	401.57	395.09	412.05	434.02
Nondurable Goods[c]	403.68	396.42	392.69	399.49	392.12	393.60	405.00	402.17	406.96	414.34	406.48	417.25	418.32
Food and kindred products	384.64	381.63	372.28	366.53	376.38	379.35	384.79	390.85	394.48	402.32	386.20	389.25	386.33
Apparel and other textile products	295.62	278.10	286.86	285.77	278.82	284.50	293.38	310.01	315.87	308.77	308.85	304.98	299.53
Paper and allied products	459.22	452.61	440.91	444.44	445.73	448.59	456.03	457.30	448.37	489.91	470.24	470.24	486.14
Printing and publishing	407.36	386.51	393.45	414.85	394.50	408.34	408.43	400.68	407.66	410.88	399.31	433.92	423.12
Chemicals and allied products	485.48	474.05	476.86	476.30	477.05	469.78	480.36	480.24	493.91	497.66	497.23	504.93	503.84
Rubber and misc. plastics products	371.47	394.66	368.92	365.93	363.79	355.93	375.41	355.52	363.36	377.54	376.68	375.73	380.95
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	560.44	538.46	538.76	554.14	544.79	552.27	570.68	570.99	554.73	571.87	576.71	575.04	580.60
WHOLESALE TRADE	388.08	386.12	378.49	379.06	383.11	384.15	384.15	388.23	393.02	389.08	394.22	394.02	399.40
RETAIL TRADE[d]	177.16	172.36	173.05	172.50	173.68	176.25	180.34	180.09	175.93	183.46	180.06	178.92	180.18
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	291.63	284.96	284.46	283.96	292.22	294.21	290.77	293.74	291.69	294.47	299.57	292.73	296.35
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	334.99	333.92	335.92	328.68	332.33	329.67	330.65	333.00	338.99	338.25	338.71	339.86	336.48

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-4 (1986)

COLUMBUS METROPOLITAN STATISTICAL AREA

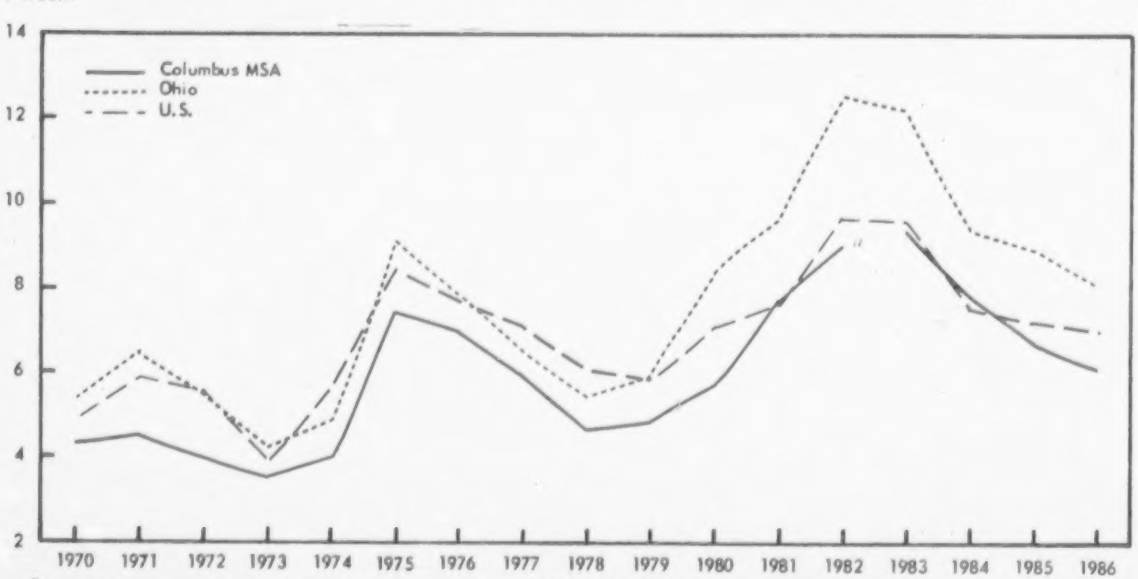


The estimated annual average civilian labor force in the Columbus metropolitan area, based on place of residence, increased 26,300 from 1985, to 675,700 in 1986. Total employment increased 28,800 over the year, to 634,400; unemployment declined 2,500, to 41,300 in 1986. The unemployment rate dropped from 6.7 percent in 1985 to 6.1 percent in 1986. (See table, page 71, top.)

Nonagricultural wage and salary employment increased 4.4 percent from 1985. Nonmanufacturing gained 26,700 jobs over the year, due chiefly to growth in services and retail trade. Manufacturing employment increased slightly, as a substantial gain in transportation equipment was offset by losses in nonelectrical machinery and fabricated metal products.

Columbus area nonfarm employment continued to recover from the 1983-1986 recessionary period. Growth in services and retail trade contributed most to the recovery, although all nonmanufacturing industries registered gains. Total manufacturing employment had a 39.3 percent recovery rate, but all industries, except printing and publishing, remained below the 1979 level. (See table, page 71, bottom.) Advancements throughout 1984 and 1985 in fabricated metal products and electric and electronic equipment have been partially lost. However, neither industry dropped below the 1983 level.

COLUMBUS MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Columbus Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	445.6	425.6	20.0	4.5	6.5	5.9
1972	469.1	450.2	18.9	4.0	5.5	5.6
1973	485.5	468.3	17.1	3.5	4.3	4.9
1974	495.4	475.5	19.9	4.0	4.8	5.6
1975	495.0	458.6	36.5	7.4	9.1	8.5
1976	503.6	468.5	35.1	7.0	7.8	7.7
1977	513.4	483.3	30.1	5.9	6.5	7.1
1978	531.4	506.5	24.9	4.7	5.4	6.1
1979	543.0	517.1	25.8	4.8	5.9	5.8
1980	554.7	523.4	31.4	5.7	8.4	7.1
1981	562.4	519.1	43.3	7.7	9.6	7.6
1982	567.4	516.4	51.0	9.0	12.5	9.7
1983[c]	647.7	587.4	60.3	9.3	12.2	9.6
1984	633.5	584.3	49.2	7.8	9.4	7.5
1985	649.4	605.6	43.8	6.7	8.9	7.2
1986	675.7	634.4	41.3	6.1	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

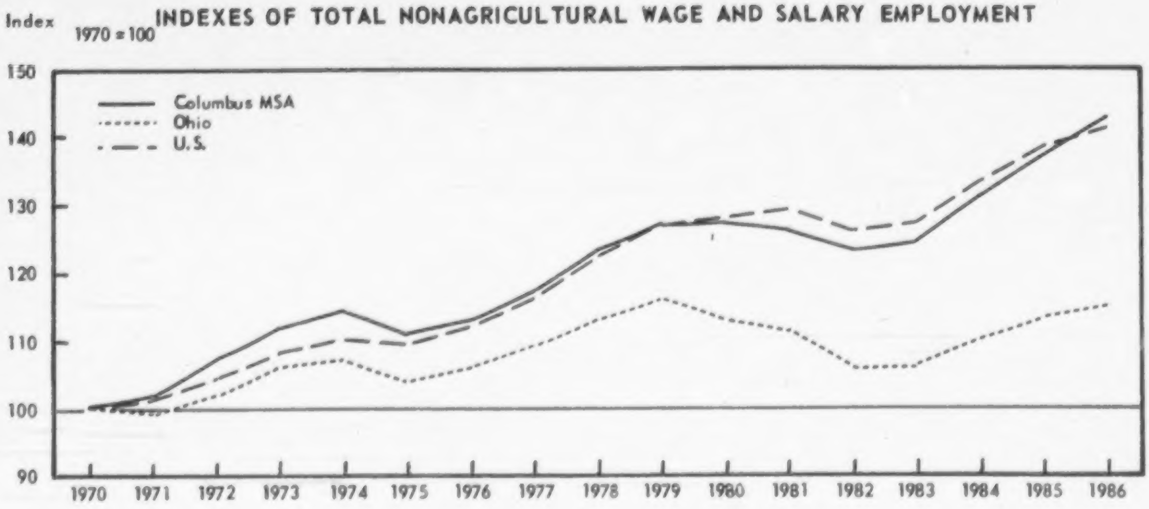
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE COLUMBUS METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	558.5	548.5	630.4	-10.0	81.9	819.0	97.6
MANUFACTURING	117.8	98.7	106.2	-19.1	7.5	39.2	13.7
Durable Goods	79.1	63.5	69.8	-15.6	6.3	40.3	11.5
Fabricated metal products	13.0	9.9	10.2	- 3.1	.3	9.6	15.4
Machinery, except electrical	13.2	9.5	9.5	- 3.7	.0	-	6.3
Electric and electronic equipment	15.5	11.1	11.4	- 4.4	.3	6.8	1.2
Nondurable Goods	38.7	35.2	36.4	- 3.5	1.2	34.2	23.0
Food and kindred products	11.0	10.3	9.9	- .4	- .4	-	-
Printing and publishing	8.9	8.9	9.7	.0	.8	+	119.5
CONSTRUCTION	23.0	16.8	24.2	- 6.2	7.4	119.3	57.6
TRANSPORTATION AND PUBLIC UTILITIES	27.3	24.7	26.9	- 2.6	2.2	84.6	20.9
Communication, electric, gas services	11.7	11.7	11.8	.0	.1	+	-
WHOLESALE TRADE	28.8	29.0	32.2	.2	3.2	+	228.7
RETAIL TRADE	101.4	102.9	124.3	1.5	21.4	+	348.7
FINANCE, INSURANCE, AND REAL ESTATE	38.3	45.0	53.5	6.7	8.5	+	+
Insurance carriers	16.9	18.8	20.9	1.9	9.1	+	+
SERVICES	108.7	119.6	145.5	10.9	25.9	+	+
GOVERNMENT	111.9	110.5	116.7	-1.4	6.2	442.8	132.6
Federal government	14.6	14.3	15.6	-0.3	1.3	433.3	260.1
State government	48.8	48.8	51.1	0.0	2.3	+	+
Local government	48.5	47.4	50.1	-1.1	2.7	245.4	59.1

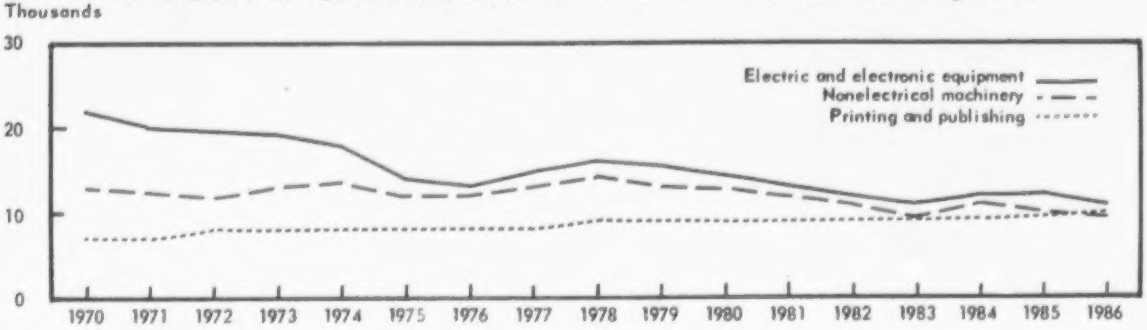
+ No downturn, 1979-1983.

- No upturn, 1983-1986.

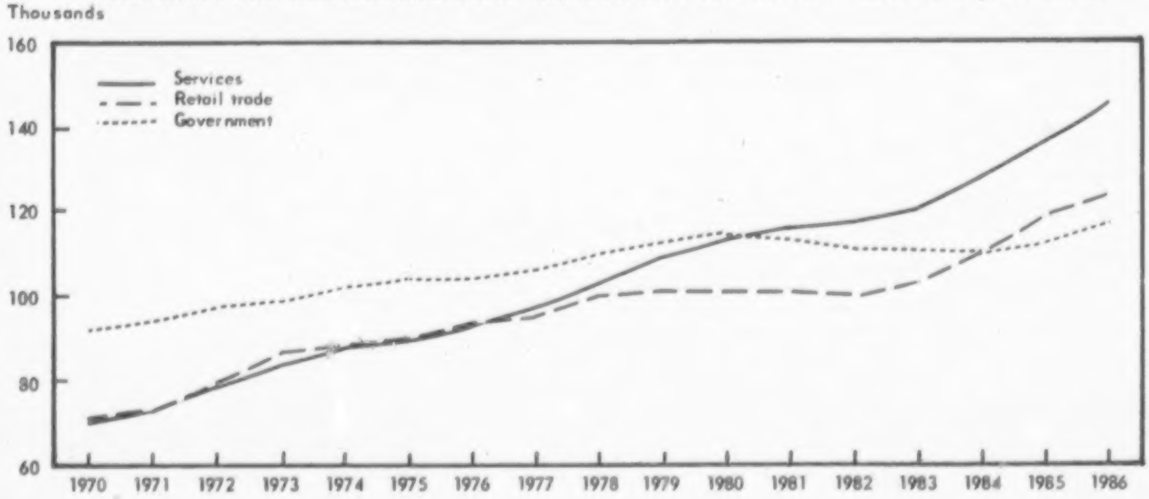
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	630.4	609.4	610.0	613.9	624.3	630.2	634.1	628.0	631.9	638.6	645.0	648.7	650.5
MANUFACTURING	106.2	106.0	105.9	106.2	106.6	106.3	106.2	106.1	106.3	107.4	105.2	106.1	105.9
Durable Goods[b]	69.8	69.9	69.8	70.1	70.4	70.1	69.9	69.8	69.9	70.6	68.4	69.2	69.1
Stone, clay, and glass products	11.6	11.4	11.5	11.6	11.7	11.8	11.9	11.4	12.0	12.1	10.5	11.5	11.7
Glass and glassware, pressed or blown.	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.1	4.6	4.8	3.2	4.6	4.8
Fabricated metal products	10.2	10.6	10.6	10.5	10.5	10.2	9.8	9.9	10.0	10.2	10.1	10.0	9.7
Fabricated structural metal products..	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.1	3.1	3.1	3.0	2.9	2.8
Machinery, except electrical	9.5	9.9	9.7	9.7	9.7	9.6	9.5	9.5	9.4	9.3	8.8	9.3	9.3
Electric and electronic equipment	11.4	11.6	11.5	11.6	11.6	11.4	11.4	11.3	11.4	11.4	11.3	11.2	11.2
Transportation equipment	15.9	15.4	15.5	15.7	15.7	15.9	16.0	16.3	15.8	16.3	16.3	16.0	15.9
Instruments and related products	4.1	4.2	4.3	4.2	4.2	4.2	4.1	4.0	3.9	4.1	4.0	4.0	4.1
Nondurable Goods[c]	36.4	36.1	36.1	36.1	36.2	36.2	36.4	36.2	36.4	36.8	36.8	36.9	36.8
Food and kindred products	9.9	9.7	9.7	9.8	9.8	9.9	10.0	10.1	10.0	10.0	10.0	10.0	10.1
Printing and publishing	9.7	9.6	9.5	9.5	9.6	9.6	9.6	9.5	9.7	9.8	9.9	9.9	9.8
Chemicals and allied products	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.1	7.1	7.2	7.0	7.1	7.1
Rubber and misc. plastics products	5.4	5.4	5.4	5.4	5.3	5.4	5.4	5.2	5.2	5.4	5.5	5.5	5.5
NONMANUFACTURING[d]	524.2	503.3	504.2	507.8	517.7	523.9	527.9	522.0	525.6	531.2	539.8	542.6	544.6
CONSTRUCTION	24.2	20.2	19.9	20.5	22.8	23.9	24.7	26.1	26.8	26.9	26.8	26.2	25.1
TRANSPORTATION AND PUBLIC UTILITIES	26.9	25.4	25.1	25.5	26.5	26.3	26.6	27.5	27.6	27.8	28.2	28.4	28.4
Trucking and warehousing	10.7	10.0	9.8	10.1	10.5	10.4	10.6	10.7	10.8	10.9	11.2	11.3	11.5
Communication, electric, gas services ..	11.8	11.4	11.4	11.4	11.5	11.5	11.6	12.2	12.2	12.2	12.2	12.2	12.2
WHOLESALE TRADE	32.2	31.4	31.4	31.6	31.9	32.0	32.2	32.2	32.6	32.5	32.6	32.7	32.6
Wholesale trade-durable goods	21.0	20.5	20.5	20.5	20.8	21.0	21.0	21.1	21.4	21.2	21.2	21.4	21.3

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	124.3	120.4	119.3	119.6	121.6	123.2	123.6	123.5	124.9	125.5	127.7	129.8	132.2
General merchandise stores	17.8	17.5	16.8	16.6	16.7	16.8	16.9	17.1	17.6	17.9	19.0	19.6	20.5
FINANCE, INSURANCE, AND REAL ESTATE	53.5	51.2	51.6	51.8	52.6	53.1	53.9	54.8	54.6	54.4	54.6	54.7	55.1
Banking	11.4	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.6	11.6	11.7	11.7
Insurance carriers	20.9	20.5	20.7	20.8	20.9	20.9	21.0	21.2	21.1	21.0	21.1	21.1	21.1
SERVICES	145.5	137.0	138.5	140.0	143.3	145.8	146.3	147.7	147.9	149.6	149.8	150.1	149.8
Business services	32.2	29.3	29.3	29.8	31.1	32.1	32.4	33.0	33.9	33.9	34.3	34.0	33.8
Health services	38.0	37.0	37.2	37.5	37.6	37.8	38.2	38.7	38.3	38.4	38.3	38.6	38.9
Hospitals	16.5	16.2	16.3	16.4	16.4	16.4	16.6	16.6	16.5	16.7	16.7	16.7	16.9
GOVERNMENT	116.7	116.7	117.3	117.8	118.1	118.6	119.7	109.3	110.3	113.6	119.0	119.7	120.5
Federal government	15.6	15.5	15.5	15.6	15.6	15.6	15.7	15.6	15.6	15.5	15.5	15.5	15.5
State government	51.1	51.3	51.5	51.7	52.1	52.1	53.0	46.8	48.1	47.4	52.3	52.7	53.6
State government education[f]	21.6	22.7	22.7	22.8	22.8	22.7	23.0	16.9	17.6	17.8	22.8	23.1	23.9
State government, except education	29.5	28.6	28.8	28.9	29.4	29.4	29.9	29.9	30.4	29.6	29.6	29.6	29.7
Local government	50.1	50.0	50.3	50.5	50.4	50.9	51.1	46.8	46.6	50.6	51.2	51.5	51.4
Local government education	29.5	29.8	30.1	30.3	30.2	30.5[e]	29.8	25.3	25.6	29.8	30.7	31.1	30.9
Local government, except education	20.6	20.2	20.2	20.2	20.2	20.4	21.3	21.5	21.1	20.8	20.5	20.5	20.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes. [f] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-5 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	603.6	580.2	584.1	589.5	599.1	605.8	608.5	599.3	603.4	610.5	618.7	621.5	622.8
MANUFACTURING	106.1	105.3	105.4	105.2	105.3	105.8	106.1	105.5	107.0	107.4	106.8	106.7	106.7
Durable Goods[b]	70.3	69.9	70.1	69.9	69.8	70.1	70.3	69.5	70.8	71.4	70.8	70.7	70.6
Stone, clay, and glass products	11.8	11.9	11.9	11.8	11.8	11.8	11.6	11.2	11.8	11.9	12.0	12.1	12.1
Glass and glassware, pressed or blown.	4.7	5.1	5.1	4.9	5.0	4.9	4.6	4.0	4.7	4.7	4.6	4.6	4.6
Fabricated metal products	10.7	10.8	10.8	10.8	10.7	10.8	10.7	10.6	10.6	10.8	10.8	10.7	10.6
Fabricated structural metal products..	3.1	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.1	3.1	3.0
Machinery, except electrical	10.4	10.8	10.8	10.8	10.7	10.5	10.5	10.3	10.2	10.3	10.0	9.8	9.9
Electric and electronic equipment	11.7	12.0	12.0	12.0	11.7	11.6	11.6	11.7	11.6	11.7	11.4	11.5	11.5
Transportation equipment	14.3	13.0	13.2	13.2	13.5	14.0	14.4	14.6	15.0	15.2	15.3	15.4	15.4
Instruments and related products	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.2
Nondurable Goods[c]	35.8	35.3	35.3	35.3	35.5	35.7	35.9	36.0	36.2	36.0	36.0	35.9	36.1
Food and kindred products	9.8	9.7	9.8	9.8	9.8	9.9	9.9	9.9	10.0	9.7	9.7	9.6	9.7
Printing and publishing	9.5	9.3	9.3	9.2	9.3	9.4	9.4	9.5	9.4	9.6	9.6	9.7	9.7
Chemicals and allied products	6.9	6.9	6.9	6.9	7.0	6.9	7.0	7.1	7.1	7.0	6.9	6.8	6.9
Rubber and misc. plastics products	5.1	5.1	5.0	5.0	5.0	5.1	5.1	4.9	5.1	5.1	5.2	5.2	5.2
NONMANUFACTURING[d]	497.5	475.0	478.7	484.3	493.8	500.0	502.3	493.8	496.4	503.1	511.9	514.8	516.1
CONSTRUCTION	21.9	18.2	17.4	18.6	20.4	21.6	22.3	23.7	24.8	24.6	24.7	23.8	22.8
TRANSPORTATION AND PUBLIC UTILITIES	26.0	25.7	25.9	25.8	25.8	25.8	25.8	25.9	26.0	26.4	26.3	26.3	26.4
Trucking and warehousing	10.5	10.5	10.6	10.5	10.4	10.3	10.4	10.5	10.6	10.7	10.6	10.7	10.8
Communication, electric, gas services ..	11.4	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.4
WHOLESALE TRADE	32.1	32.1	32.4	32.7	32.6	32.5	32.3	32.0	31.8	31.7	31.6	31.9	31.7
Wholesale trade-durable goods	21.1	21.1	21.3	21.7	21.5	21.4	21.2	21.0	20.9	20.7	20.6	20.8	20.6

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	118.6	111.9	110.6	112.5	115.8	118.9	119.6	118.8	119.9	120.6	122.5	125.6	127.0
General merchandise stores	16.7	16.4	15.4	15.5	15.5	15.9	16.0	16.0	16.4	16.8	17.3	18.9	19.8
FINANCE, INSURANCE, AND REAL ESTATE	49.4	47.6	47.8	48.1	48.4	48.8	49.3	50.0	50.3	50.3	50.6	50.9	51.2
Banking	10.6	10.1	10.1	10.2	10.4	10.5	10.5	10.7	10.8	10.8	10.9	11.0	11.1
Insurance carriers	19.6	18.9	19.0	19.1	19.2	19.3	19.5	19.6	19.7	19.9	20.0	20.2	20.4
SERVICES	136.0	129.0	130.2	131.6	135.4	137.4	136.9	137.5	137.5	138.6	139.8	139.3	138.9
Business services	29.4	27.8	28.0	28.5	29.1	29.5	29.1	29.8	30.0	29.8	31.2	30.3	30.0
Health services	36.0	35.0	35.0	35.1	35.5	35.8	36.0	36.0	36.2	36.2	36.9	37.0	37.2
Hospitals	15.9	15.7	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.1
GOVERNMENT	112.4	109.3	113.4	114.2	114.4	114.0	115.1	105.0	105.0	109.9	115.4	115.9	117.1
Federal government	15.2	14.8	14.8	14.9	15.2	15.1	15.3	15.4	15.4	15.2	15.2	15.3	15.4
State government	49.0	45.8	50.0	50.6	50.4	50.1	50.8	44.9	45.6	46.1	50.6	51.0	51.8
State government education[f]	20.6	17.9	21.9	22.3	21.9	21.8	22.0	16.3	16.9	17.8	22.3	22.6	23.2
State government, except education	28.4	27.9	28.1	28.3	28.5	28.3	28.8	28.6	28.7	28.4	28.3	28.4	28.6
Local government	48.2	48.7	48.5	48.7	48.8	48.9	48.9	44.7	44.0	48.6	49.6	49.6	49.9
Local government education	28.4	29.1	29.1	29.3	29.4	29.5	28.8	24.3	23.8	28.6	29.5	29.7	29.8
Local government, except education	19.8	19.6	19.4	19.4	19.3	19.4	20.2	20.4	20.2	20.0	20.1	19.9	20.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes. [f] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-5 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.22	$11.05	$11.06	$11.15	$11.17	$11.20	$11.23	$11.23	$11.26	$11.28	$11.27	$11.33	$11.42
Durable Goods[b]	11.53	11.41	11.39	11.48	11.52	11.52	11.57	11.46	11.58	11.57	11.56	11.58	11.67
Stone, clay, and glass products	11.85	11.69	11.70	11.80	11.85	11.85	12.05	12.15	12.10	11.92	11.84	11.59	11.59
Glass and glassware, pressed or blown.	11.24	11.32	11.18	11.11	11.30	11.43	11.36	11.55	11.38	11.43	11.26	10.69	10.88
Fabricated metal products	12.08	12.32	12.24	12.53	12.18	12.00	12.06	11.88	11.82	11.90	11.80	12.01	12.09
Fabricated structural metal products	10.30	9.79	9.98	10.26	10.24	10.37	10.23	10.36	10.21	10.52	10.34	10.59	10.70
Machinery, except electrical	10.45	10.20	10.17	10.22	10.30	10.34	10.53	10.40	10.38	10.53	10.76	10.75	10.86
Electric and electronic equipment	11.18	11.36	11.18	11.19	11.14	11.30	11.10	10.93	10.99	11.15	11.09	11.29	11.35
Transportation equipment	12.71	12.41	12.44	12.36	12.70	12.63	12.69	12.58	12.91	12.85	12.91	12.93	13.10
Instruments and related products	9.76	9.33	9.38	9.70	9.82	10.17	9.91	9.86	9.80	9.74	9.63	9.68	10.14
Nondurable Goods[c]	10.54	10.22	10.31	10.42	10.37	10.46	10.47	10.70	10.55	10.63	10.65	10.79	10.88
Food and kindred products	10.21	9.80	9.99	10.03	10.00	10.01	10.13	10.81	10.37	10.33	10.23	10.27	10.45
Printing and publishing	12.59	12.25	12.32	12.32	12.35	12.58	12.66	12.63	12.51	12.74	12.78	12.83	13.09
Chemicals and allied products	12.21	11.90	11.97	12.20	12.02	12.20	12.07	12.08	12.11	12.31	12.31	12.67	12.70
Rubber and misc. plastics products	8.14	8.00	8.10	8.15	8.06	8.13	8.07	8.19	8.20	8.08	8.26	8.28	8.21
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.45	13.13	13.21	13.38	13.21	13.25	13.47	13.59	13.52	13.55	13.74	13.64	13.69
WHOLESALE TRADE	8.53	8.00	8.14	8.22	8.36	8.46	8.57	8.56	8.56	8.81	8.89	8.85	8.92
RETAIL TRADE[d]	5.84	5.82	5.86	5.88	5.84	5.83	5.85	5.85	5.75	5.79	5.83	5.82	6.01
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.34	9.16	9.08	9.17	9.28	9.40	9.46	9.38	9.38	9.38	9.45	9.45	9.44

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-5 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.1	40.9	41.0	41.3	41.4	41.2	41.0	40.8	41.0	41.3	40.8	41.3	41.4
Durable Goods[b]	41.2	41.0	40.8	41.4	41.7	41.4	41.2	40.8	41.3	41.4	40.9	41.4	41.3
Stone, clay, and glass products	39.8	39.5	39.5	41.6	41.0	40.3	39.9	40.1	39.5	39.0	39.9	39.3	38.3
Glass and glassware, pressed or blown	39.8	37.9	39.2	41.5	40.8	40.1	39.4	39.2	38.8	40.6	43.5	40.0	38.4
Fabricated metal products	40.4	40.5	40.0	41.1	40.5	40.0	40.3	40.3	40.2	40.7	40.2	40.9	40.4
Fabricated structural metal products	40.7	38.6	39.0	40.4	41.1	40.2	40.8	42.1	40.5	41.7	40.8	41.1	42.0
Machinery, except electrical	40.0	40.2	39.3	38.9	39.1	38.5	39.9	38.7	39.9	41.5	41.4	41.8	41.6
Electric and electronic equipment	40.7	41.4	40.6	40.8	40.8	41.3	40.4	39.7	39.9	41.1	40.2	41.1	41.1
Transportation equipment	44.3	43.4	43.9	44.0	46.3	45.3	44.7	43.5	45.3	44.1	42.8	43.7	44.4
Instruments and related products	40.7	39.8	39.7	40.8	40.3	42.1	41.9	41.0	40.1	40.5	40.4	39.7	42.4
Nondurable Goods[c]	40.9	40.6	41.5	41.0	40.7	40.8	40.6	40.6	40.2	41.0	40.6	41.2	41.5
Food and kindred products	41.0	40.2	41.0	40.0	40.8	41.5	41.7	41.6	41.1	41.8	41.2	40.8	40.7
Printing and publishing	39.6	39.5	39.4	39.9	39.8	39.8	39.4	39.9	38.9	39.8	39.1	39.6	40.5
Chemicals and allied products	41.8	42.3	42.8	43.1	41.7	41.7	40.7	41.2	40.5	41.3	41.2	42.7	42.8
Rubber and misc. plastics products	41.4	41.2	43.6	42.0	40.3	40.4	40.8	41.7	40.9	41.4	41.3	42.1	41.5
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.0	39.8	39.8	40.3	40.3	40.4	41.5	42.1	40.7	41.6	41.9	41.7	41.8
WHOLESALE TRADE	38.3	38.7	38.2	38.3	38.3	38.3	38.0	38.3	37.7	38.6	38.4	38.2	38.6
RETAIL TRADE	28.7	29.0	28.6	28.1	28.6	28.4	28.9	28.9	29.3	28.5	28.5	28.5	29.3
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.2	34.4	33.7	33.7	33.7	34.1	34.5	35.1	34.7	34.5	34.0	34.2	34.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-5 (1986)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$461.14	$451.95	$453.46	$460.50	$462.44	$461.44	$460.43	$458.18	$461.66	$465.86	$459.82	$467.93	$472.79
Durable Goods[b]	475.04	467.81	464.71	475.27	480.38	476.93	476.68	467.57	478.25	479.00	472.80	479.41	481.97
Stone, clay, and glass products	471.63	461.76	462.15	490.88	485.85	477.56	480.80	487.22	477.95	464.88	472.42	455.49	443.90
Glass and glassware, pressed or blown.	447.35	429.03	438.26	461.07	461.04	458.34	447.58	452.76	441.54	464.06	489.81	427.60	417.79
Fabricated metal products	488.03	498.96	489.60	514.98	493.29	480.00	486.02	478.76	475.16	484.33	474.36	491.21	488.44
Fabricated structural metal products	419.21	377.89	389.22	414.50	420.86	416.87	417.38	436.16	413.51	438.68	421.87	435.25	449.40
Machinery, except electrical	418.00	410.04	399.68	397.56	402.73	398.09	420.15	402.48	414.16	437.00	445.46	449.35	451.78
Electric and electronic equipment	455.03	470.30	453.91	456.55	454.51	466.69	448.44	433.92	438.50	458.27	445.82	464.02	466.49
Transportation equipment	563.05	538.59	546.12	543.84	588.01	572.14	567.24	547.23	584.82	566.69	552.55	565.04	581.64
Instruments and related products	397.23	371.33	372.39	395.76	395.75	428.16	415.23	404.26	392.98	394.47	389.05	384.30	429.94
Nondurable Goods[c]	431.09	414.93	427.87	427.22	422.06	426.77	425.08	434.42	424.11	435.83	432.39	444.55	451.52
Food and kindred products	418.61	393.96	409.59	401.20	408.00	415.42	422.42	449.70	426.21	431.79	421.48	419.02	425.32
Printing and publishing	498.56	483.88	485.41	491.57	491.53	500.68	498.80	503.94	486.64	507.05	499.70	508.07	530.15
Chemicals and allied products	510.38	503.37	512.32	525.82	501.23	508.74	491.25	497.70	490.46	508.40	507.17	541.01	543.56
Rubber and misc. plastics products	337.00	329.60	353.16	342.30	324.82	328.45	329.26	341.52	335.38	334.51	341.14	348.59	340.72
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	551.45	522.57	525.76	539.21	532.36	535.30	559.01	572.14	550.26	563.68	575.71	568.79	572.24
WHOLESALE TRADE	326.70	309.60	310.95	314.83	320.19	324.02	325.66	327.85	322.71	340.07	341.38	338.07	344.31
RETAIL TRADE[d]	167.61	168.78	167.60	165.23	167.02	165.57	169.07	169.07	168.48	165.02	166.16	165.87	176.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	243.45	240.40	238.25	233.34	240.81	251.78	243.25	240.89	244.72	244.17	244.33	249.06	249.75
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	319.43	315.10	306.00	309.03	312.74	320.54	326.37	329.24	325.49	323.61	321.30	323.19	322.85

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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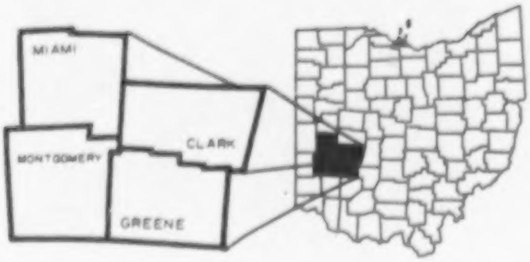
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-5 (1986)

DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

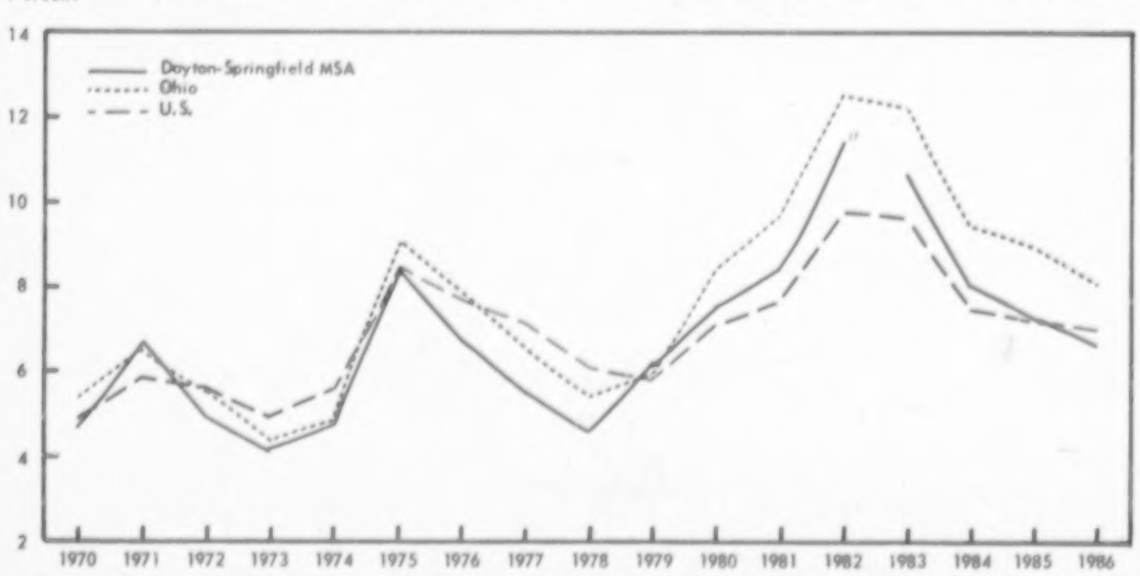


In the Dayton-Springfield metropolitan area, the estimated annual average civilian labor force, based on place of residence, edged upward 11,600 from 1985, to 462,000 in 1986. Over the year, employment rose 13,500, to 431,600, while the number of unemployed dropped 2,000, to a 1986 total of 30,400. The unemployment rate fell from 7.2 percent in 1985 to 6.6 percent in 1986. (See table, page 81, top.)

Over the year, total nonagricultural wage and salary employment rose 2.9 percent, from 408,900 in 1985, to 420,900 in 1986. Growth in services and retail trade contributed heavily to the continued recovery. Manufacturing employment decreased from 106,300 in 1985, to 106,100 in 1986—a loss of 200 jobs. Nonelectrical machinery showed the greatest decrease, with a loss of 1,000 workers.

From 1983 to 1986, the Dayton-Springfield area recovered 133.2 percent of the nonagricultural wage and salary employment lost during the last economic downturn, 1979 to 1983. All major divisions had increased in employment during the period. Expansion in construction, services, and retail trade accounted for much of the overall rise in the nonmanufacturing sector. Within manufacturing, transportation equipment had the greatest improvement. (See table, page 81, bottom.)

DAYTON-SPRINGFIELD MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Dayton-Springfield Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	349.5	326.1	23.3	6.7	6.5	5.9
1972	353.5	336.2	17.3	4.9	5.5	5.6
1973	358.0	343.5	14.5	4.1	4.3	4.9
1974	359.5	342.5	17.0	4.7	4.8	5.6
1975	357.6	327.7	29.9	8.4	9.1	8.5
1976	360.5	336.3	24.2	6.7	7.8	7.7
1977	368.6	348.3	20.3	5.5	6.5	7.1
1978	281.1	363.7	17.3	4.6	5.4	6.1
1979	392.2	367.9	24.2	6.2	5.9	5.8
1980	390.2	361.0	29.2	7.5	8.4	7.1
1981	390.8	357.9	32.8	18.4	9.6	7.6
1982	391.8	347.1	44.7	11.4	12.5	9.7
1983[c]	438.5	391.9	46.6	10.6	12.2	9.6
1984	440.1	404.8	35.2	8.0	9.4	7.5
1985	450.4	418.1	32.4	7.2	8.9	7.2
1986	462.0	431.6	30.4	6.6	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

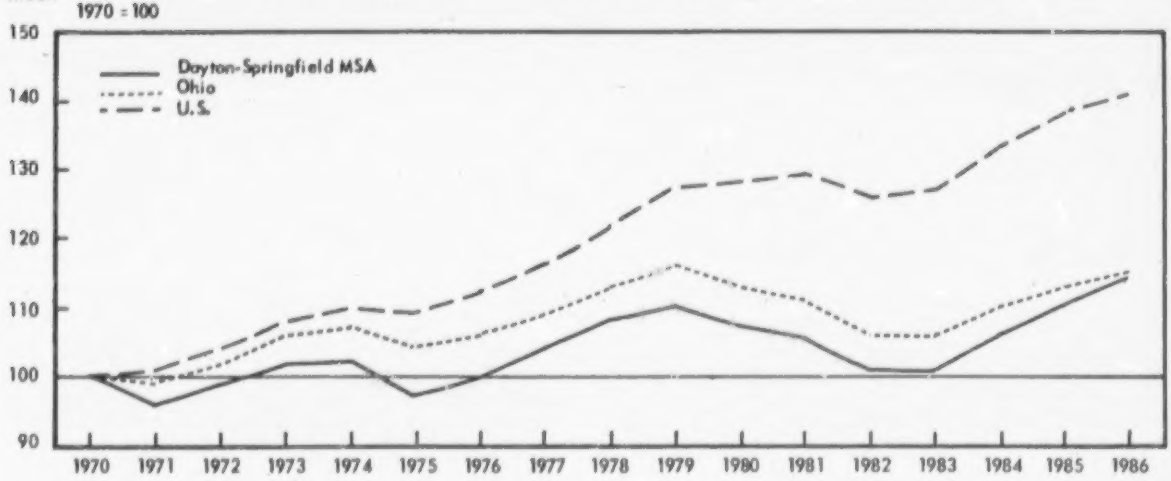
[c] Data not comparable to previous years due to change in metropolitan area definition.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

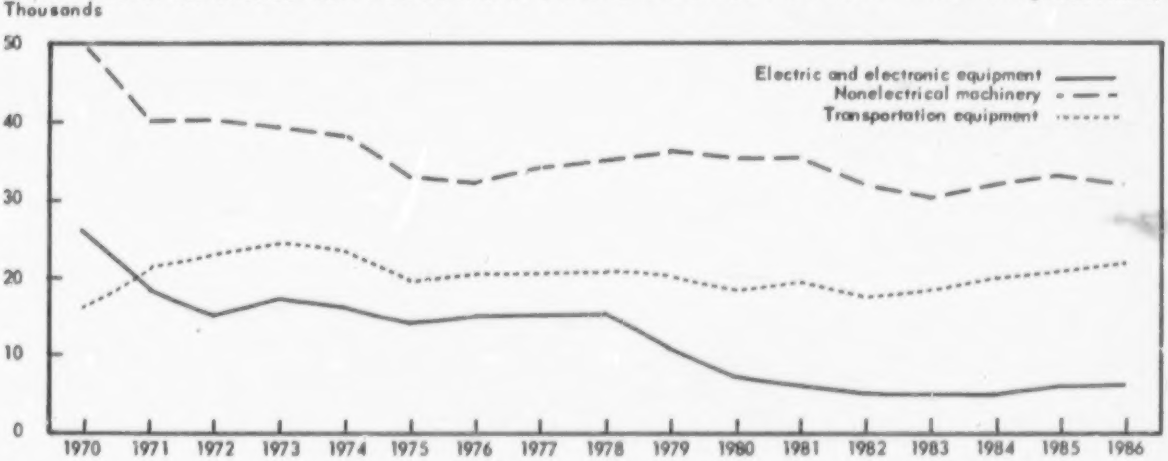
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	408.8	372.3	420.9	-36.5	48.6	133.1	97.6
MANUFACTURING	122.5	95.5	106.1	-27.0	10.6	39.2	13.7
Durable Goods	86.2	68.7	76.7	-17.5	8.0	45.7	11.5
Machinery, except electrical	35.9	30.0	31.7	-5.9	1.7	28.8	6.3
Electric and electronic equipment	10.5	5.0	5.6	-5.5	.6	10.9	1.2
Electrical industrial apparatus	4.7	2.9	3.2	-1.8	.3	16.6	-
Transportation equipment	20.1	17.7	21.8	-2.4	4.1	170.8	63.4
Nondurable Goods	36.3	26.8	29.4	-9.5	2.6	27.3	23.0
Printing and publishing	10.2	7.7	8.5	-2.5	.8	32.0	119.5
Rubber and misc. plastics products	12.2	7.7	8.4	-4.5	.7	15.5	36.6
CONSTRUCTION	15.8	10.6	15.0	-5.2	4.4	84.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	16.3	13.9	14.7	-2.4	.8	33.3	20.9
WHOLESALE TRADE	16.6	17.5	18.9	.9	1.4	+	228.7
RETAIL TRADE	68.4	63.1	75.6	-5.3	12.5	235.8	398.7
FINANCE, INSURANCE, AND REAL ESTATE	15.6	15.8	17.3	.2	1.5	+	+
SERVICES	79.5	84.7	100.6	5.2	15.9	+	+
GOVERNMENT	73.6	70.8	72.4	-2.8	1.6	57.1	132.6

+ No downturn, 1979-1983.
No upturn, 1983-1986.

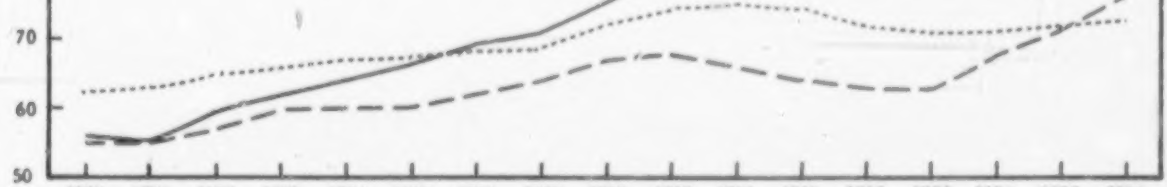
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	420.9	409.9	410.1	413.0	418.3	421.1	420.3	417.5	420.6	427.6	429.7	431.2	432.1
MANUFACTURING	106.1	105.3	105.1	105.5	105.3	106.2	106.6	106.2	106.5	106.8	106.4	106.3	106.5
Durable Goods[b]	76.7	75.8	75.7	76.1	75.9	76.9	77.2	77.0	77.3	77.2	76.9	76.8	77.0
Fabricated metal products	8.3	8.3	8.2	8.2	8.2	8.3	8.5	8.4	8.6	8.4	8.3	8.3	8.3
Machinery, except electrical	31.7	32.1	32.0	32.0	31.7	31.9	32.0	31.7	31.9	31.6	31.5	31.1	31.2
Metalworking machinery	7.0	7.1	7.0	7.1	7.1	7.1	7.1	6.9	6.9	6.9	6.9	6.8	6.8
General industrial machinery	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Electric and electronic equipment	5.6	5.2	5.2	5.2	5.1	5.7	5.7	5.7	5.7	5.7	5.9	6.0	6.1
Electrical industrial apparatus	3.2	2.9	2.9	2.9	2.9	3.5	3.4	3.3	3.4	3.3	3.4	3.5	3.5
Transportation equipment	21.8	21.4	21.4	21.7	21.7	21.6	21.7	21.9	21.9	22.1	22.1	22.0	22.0
Nondurable Goods[c]	29.4	29.4	29.4	29.4	29.4	29.3	29.5	29.2	29.2	29.6	29.4	29.4	29.5
Food and kindred products	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.9
Paper and allied products	5.8	5.8	5.8	5.8	5.7	5.7	5.8	5.8	5.8	5.7	5.8	5.9	5.9
Printing and publishing	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.5	8.5	8.6	8.6	8.6
Rubber and misc. plastics products	8.4	8.7	8.7	8.6	8.6	8.5	8.5	8.2	8.3	8.6	8.3	8.2	8.2
NONMANUFACTURING[d]	314.9	304.6	305.0	307.5	313.0	314.9	313.6	311.3	314.1	320.8	323.4	325.0	325.5
CONSTRUCTION	15.0	12.1	11.6	12.1	13.8	14.8	15.5	16.3	16.9	17.0	17.0	16.8	16.0
TRANSPORTATION AND PUBLIC UTILITIES	14.7	14.2	14.2	14.3	14.5	14.6	14.6	14.6	14.9	14.9	15.1	15.0	15.2
Communication, electric, gas services	6.0	5.9	5.9	5.8	5.9	5.9	5.9	6.0	6.1	6.1	6.1	6.0	6.0
WHOLESALE TRADE	18.9	18.9	18.7	18.7	18.8	18.9	19.0	19.0	18.9	19.0	19.0	19.1	19.2
Wholesale trade-durable goods	12.9	12.9	12.7	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9	13.1	13.2
RETAIL TRADE	75.6	72.0	71.3	71.9	74.2	75.3	75.7	75.9	76.4	77.1	77.9	78.9	80.3
General merchandise stores	11.7	12.0	11.4	11.3	11.4	11.3	11.3	11.2	11.3	11.6	12.0	12.7	13.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.3	16.8	16.8	16.9	17.1	17.3	17.4	17.7	17.7	17.6	17.5	17.5	17.7
Banking	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3
Credit agencies other than banks	4.5	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6
Insurance carriers	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.8	2.8
SERVICES	100.6	97.1	98.1	98.6	100.1	99.1	100.5	99.6	101.1	103.0	103.0	103.6	102.9
Business services	23.9	22.0	22.4	22.5	23.1	23.4	23.9	24.4	24.7	24.7	25.0	25.2	25.0
Health services	34.4	34.2	34.2	34.2	34.1	34.2	34.4	34.6	34.6	34.8	34.5	34.5	34.5
Hospitals	18.1	18.0	18.0	18.0	17.9	18.0	18.0	18.2	18.2	18.1	18.0	18.2	18.0
Educational services	6.8	7.5	7.9	7.8	7.7	6.1	5.8	5.0	4.9	6.9	7.3	7.6	7.0
GOVERNMENT	72.4	73.1	74.0	74.6	74.1	74.6	70.4	67.8	67.8	71.8	73.4	73.6	73.8
Federal government	28.0	27.8	28.0	28.6	28.1	28.2	28.1	28.2	28.1	28.0	27.4	27.4	27.7
State government	6.7	6.5	6.8	6.9	6.9	6.9	6.9	6.1	6.0	6.1	7.0	7.0	7.0
State government education	4.0	3.9	4.2	4.3	4.2	4.3	4.2	3.3	3.3	3.4	4.4	4.4	4.3
State government, except education ...	2.6	2.6	2.6	2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.6	2.6	2.7
Local government	37.8	38.8	39.2	39.2	39.2	39.4	35.4	33.6	33.7	37.7	39.0	39.1	39.1
Local government education	23.2	24.5	25.1	25.0	24.8	24.9	20.4	18.3	18.6	23.1	24.6	24.8	24.7
Local government, except education ...	14.6	14.3	14.2	14.2	14.4	14.6	15.0	15.3	15.1	14.6	14.4	14.4	14.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-6 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	408.9	396.5	395.4	401.0	405.9	410.5	409.1	406.7	409.0	416.2	417.1	419.2	420.0
MANUFACTURING	106.3	105.1	105.5	106.3	106.3	106.7	107.0	106.4	106.1	106.9	106.5	106.5	106.9
Durable Goods[b]	77.2	76.5	76.8	77.4	77.4	77.6	78.1	77.5	76.8	77.2	76.8	76.9	77.0
Fabricated metal products	8.5	8.2	8.2	8.2	8.4	8.5	8.6	8.5	8.6	8.6	8.6	8.5	8.4
Machinery, except electrical	32.7	33.1	32.9	32.9	32.8	32.8	33.0	32.6	32.4	32.3	32.4	32.4	32.4
Metalworking machinery	7.1	7.0	7.0	6.9	6.9	7.0	7.1	7.2	7.1	7.2	7.1	7.1	7.1
General industrial machinery	2.9	2.9	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
Electric and electronic equipment	5.5	5.7	5.7	5.6	5.5	5.5	5.6	5.5	5.5	5.4	5.4	5.3	5.2
Electrical industrial apparatus	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7
Transportation equipment	21.4	20.5	21.0	21.6	21.5	21.6	21.7	21.8	21.2	21.8	21.2	21.7	21.8
Nondurable Goods[c]	29.2	28.6	28.7	28.9	28.9	29.1	28.9	28.9	29.4	29.7	29.7	29.7	29.9
Food and kindred products	3.0	3.0	3.0	3.1	2.9	2.8	2.9	2.9	3.0	3.0	3.0	2.9	2.9
Paper and allied products	5.7	5.7	5.7	5.7	5.8	5.8	5.6	5.6	5.8	5.8	5.8	5.8	5.8
Printing and publishing	8.3	8.2	8.2	8.2	8.3	8.4	8.3	8.2	8.3	8.3	8.4	8.4	8.6
Rubber and misc. plastics products	8.4	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.3	8.6	8.7	8.6	8.7
NONMANUFACTURING[d]	302.5	291.4	290.0	294.7	299.6	303.8	302.2	300.3	302.8	309.3	310.6	312.6	313.1
CONSTRUCTION	13.5	10.9	10.2	11.2	12.9	13.8	14.2	14.6	15.1	15.1	15.0	14.7	13.9
TRANSPORTATION AND PUBLIC UTILITIES	14.5	14.0	14.0	14.1	14.3	14.5	14.8	14.7	14.9	14.7	14.7	14.6	14.7
Communication, electric, gas services	6.1	6.1	6.1	6.0	6.1	6.1	6.2	6.1	6.1	6.0	6.0	6.0	5.9
WHOLESALE TRADE	19.0	18.7	18.5	18.8	19.0	19.1	19.1	19.0	19.0	19.0	19.0	19.1	19.2
Wholesale trade-durable goods	12.9	12.8	12.7	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.9	12.9	13.1
RETAIL TRADE	71.2	68.1	66.6	67.7	69.5	70.9	71.5	71.3	72.1	72.5	73.1	74.5	76.1
General merchandise stores	11.7	11.7	11.0	11.1	11.1	11.2	11.2	11.1	11.4	11.7	12.0	12.9	13.6

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See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	16.6	16.2	16.0	16.4	16.5	16.6	16.9	16.9	17.0	16.9	16.8	16.8	16.8
Banking	4.1	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Credit agencies other than banks	4.2	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3
Insurance carriers	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9
SERVICES	95.4	91.3	91.7	93.2	94.4	94.5	95.0	95.5	96.4	98.2	98.1	98.4	97.9
Business services	20.8	18.8	18.8	19.2	19.9	20.3	20.7	21.5	21.9	22.2	21.9	22.2	22.1
Health services	34.0	33.4	33.3	33.6	33.4	33.5	33.8	34.2	34.3	34.3	34.4	34.5	34.7
Hospitals	18.2	18.1	18.0	18.1	18.0	18.0	18.1	18.4	18.3	18.2	18.3	18.2	18.4
Educational services	6.9	7.3	7.7	7.8	7.5	6.6	5.9	5.1	4.7	7.1	7.7	8.0	7.3
GOVERNMENT	72.1	72.0	72.7	73.0	72.8	74.0	70.4	67.8	68.1	72.6	73.5	74.2	74.1
Federal government	27.7	26.6	26.6	26.5	27.5	27.6	27.8	28.4	28.6	28.4	27.9	28.0	28.1
State government	6.4	6.3	6.6	6.6	6.6	6.4	6.6	5.9	5.9	5.7	6.5	6.8	6.7
State government education	3.8	3.7	4.0	4.0	4.0	3.9	4.0	3.2	3.2	3.1	4.0	4.2	4.2
State government, except education	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.6	2.6	2.6	2.6
Local government	38.0	39.1	39.5	39.9	38.6	39.9	35.9	33.6	33.6	38.5	39.1	39.3	39.3
Local government education	23.4	24.7	25.1	25.5	24.2	25.3	20.9	18.5	18.6	23.9	24.6	24.9	24.9
Local government, except education	14.6	14.4	14.4	14.4	14.4	14.6	15.1	15.1	15.0	14.6	14.5	14.4	14.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

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AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$12.03	$12.23	$12.16	$12.13	$12.02	$12.04	$12.02	$12.03	$11.93	$12.04	$11.97	$11.93	$11.90
Durable Goods[b]	12.27	12.57	12.43	12.36	12.28	12.28	12.20	12.24	12.15	12.29	12.19	12.11	12.09
Fabricated metal products	9.23	8.92	9.06	9.15	9.22	9.18	9.32	9.29	9.11	9.12	9.36	9.42	9.50
Machinery, except electrical	12.68	12.77	12.72	12.66	12.52	12.61	12.54	12.75	12.64	12.81	12.69	12.64	12.76
Metalworking machinery	11.72	11.61	11.60	11.66	11.51	11.55	11.66	11.66	11.75	11.91	11.78	11.91	12.09
General industrial machinery	10.34	10.00	10.14	10.13	10.22	10.42	10.26	10.45	10.54	10.47	10.53	10.28	10.62
Electric and electronic equipment	9.34	9.27	9.24	9.35	9.31	9.21	9.39	9.35	9.39	9.24	9.33	9.25	9.62
Electrical industrial apparatus	10.58	10.32	10.23	10.30	10.32	10.36	10.45	10.53	10.79	10.72	10.76	10.70	11.18
Transportation equipment	14.65	15.06	14.86	14.81	14.70	14.83	14.62	14.52	14.48	14.63	14.47	14.38	14.35
Nondurable Goods[c]	11.34	11.25	11.36	11.46	11.24	11.32	11.48	11.41	11.26	11.26	11.33	11.40	11.36
Food and kindred products	8.41	8.75	8.76	8.67	8.40	8.24	8.56	8.50	8.46	8.24	8.11	8.03	8.09
Paper and allied products	10.36	9.92	10.20	10.17	10.16	10.32	10.47	10.49	10.33	10.34	10.55	10.56	10.80
Printing and publishing	10.66	10.58	10.69	10.62	10.53	10.60	10.50	10.57	10.65	10.67	10.74	10.80	10.88
Rubber and misc. plastics products	14.38	14.33	14.47	14.60	14.16	14.35	14.52	14.50	14.41	14.22	14.40	14.48	14.17
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.15	13.05	13.05	13.26	13.01	13.06	13.14	13.17	12.94	13.18	13.34	13.28	13.36
WHOLESALE TRADE	9.62	9.26	9.40	9.41	9.44	9.45	9.55	9.62	9.70	9.76	9.83	10.01	10.02
RETAIL TRADE[d]	5.44	5.33	5.35	5.40	5.45	5.42	5.40	5.43	5.38	5.53	5.52	5.51	5.54
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.15	9.98	9.98	10.01	9.99	10.03	10.14	10.04	10.17	10.24	10.22	10.51	10.50

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.8	43.7	43.8	43.4	42.5	42.8	43.1	42.5	42.1	42.9	42.0	42.4	42.8
Durable Goods[b]	43.1	44.1	44.3	43.7	42.9	43.0	43.2	42.8	42.5	43.3	42.0	42.3	42.8
Fabricated metal products	41.0	39.5	41.4	40.7	39.8	40.4	42.1	42.1	40.0	40.3	41.1	42.0	42.5
Machinery, except electrical	43.6	44.1	44.7	44.2	42.4	43.3	44.0	43.0	43.6	44.4	42.7	42.8	44.0
Metalworking machinery	45.4	45.5	45.6	46.4	45.0	44.8	45.8	45.1	45.3	46.2	43.8	44.3	47.5
General industrial machinery	40.8	40.1	40.1	40.0	37.9	40.7	42.6	42.3	42.2	42.1	41.5	38.7	41.8
Electric and electronic equipment	42.7	41.8	41.8	41.0	41.2	41.1	42.6	43.1	43.6	43.6	42.5	44.5	45.2
Electrical industrial apparatus	44.5	43.5	43.7	42.4	41.5	42.5	43.7	44.4	45.9	45.5	45.0	46.7	48.9
Transportation equipment	44.0	47.3	46.6	45.2	45.1	44.5	43.8	43.7	42.3	43.9	41.8	42.0	41.7
Nondurable Goods[c]	42.1	42.4	42.4	42.7	41.5	41.9	42.6	41.5	41.1	41.8	41.9	42.7	42.7
Food and kindred products	42.9	43.9	44.6	45.4	42.3	42.1	42.4	43.5	43.4	40.7	40.2	43.3	42.9
Paper and allied products	45.4	45.0	45.4	45.2	46.1	44.9	45.5	43.8	43.5	45.0	45.8	46.5	47.7
Printing and publishing	39.6	40.3	40.5	39.7	38.1	39.7	39.8	39.4	39.4	39.7	39.0	39.8	39.7
Rubber and misc. plastics products	41.7	42.5	42.0	42.7	41.0	41.6	43.0	41.4	40.5	41.1	41.2	42.6	41.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.2	39.4	39.6	40.4	39.5	39.9	40.6	41.0	40.1	40.3	40.5	40.4	40.4
WHOLESALE TRADE	40.2	40.6	40.5	39.5	39.5	39.8	40.3	40.8	40.1	40.1	41.0	40.3	40.3
RETAIL TRADE	29.0	29.6	28.8	28.9	29.2	29.0	28.9	29.3	29.2	29.0	28.7	28.1	28.9
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.3	33.3	33.2	33.3	33.5	33.5	32.9	33.0	33.0	33.2	33.4	33.4	33.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$514.88	$534.45	$532.61	$526.44	$510.85	$515.31	$518.06	$511.28	$502.25	$516.52	$502.74	$505.83	$509.32
Durable Goods[b]	528.84	554.34	550.65	540.13	526.81	528.04	527.04	523.87	516.38	532.16	511.98	512.25	517.45
Fabricated metal products	378.43	352.34	375.08	372.41	366.96	370.87	392.37	391.11	364.40	367.54	384.70	395.64	403.75
Machinery, except electrical	552.85	563.16	568.58	559.57	530.85	546.01	551.76	548.25	551.10	568.76	541.86	540.99	561.44
Metalworking machinery	532.09	528.26	528.96	541.02	517.95	517.44	534.03	525.87	532.28	550.24	515.96	527.61	574.28
General industrial machinery	421.87	401.00	406.61	405.20	387.34	424.09	437.08	442.04	444.79	440.79	437.00	397.84	443.92
Electric and electronic equipment	398.82	387.49	386.23	383.35	383.57	378.53	400.01	402.99	409.40	402.86	396.53	411.63	434.82
Electrical industrial apparatus	470.81	448.92	447.05	436.72	428.28	440.30	456.67	467.53	495.26	487.76	484.20	499.69	546.70
Transportation equipment	644.60	712.34	692.48	669.41	662.97	659.94	640.36	634.52	612.50	642.26	604.85	603.96	598.40
Nondurable Goods[c]	477.41	477.00	481.66	489.34	466.46	474.31	489.05	473.52	462.79	470.67	474.73	486.78	485.07
Food and kindred products	360.79	384.13	390.70	393.62	355.32	346.90	362.94	369.75	367.16	335.37	326.02	347.70	347.06
Paper and allied products	470.34	446.40	463.08	459.68	468.38	463.37	476.39	459.46	449.36	465.30	483.19	491.04	515.16
Printing and publishing	422.14	426.37	432.95	421.61	405.00	420.82	417.90	416.46	419.61	423.60	418.86	429.84	431.94
Rubber and misc. plastics products	599.65	609.03	607.74	623.42	580.56	596.96	624.36	600.30	583.61	584.44	593.28	616.85	582.39
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	528.63	514.17	516.78	535.70	513.90	521.09	533.48	539.97	518.89	531.15	540.27	536.51	539.74
WHOLESALE TRADE	386.72	375.96	380.70	371.70	372.88	376.11	384.87	392.50	388.97	391.38	403.03	403.40	403.81
RETAIL TRADE[d]	157.76	157.77	154.08	156.06	159.14	157.18	156.06	159.10	157.10	160.37	158.42	154.83	160.11
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	338.00	332.33	331.34	333.33	334.67	336.01	333.61	331.32	335.61	339.97	341.35	351.03	354.90

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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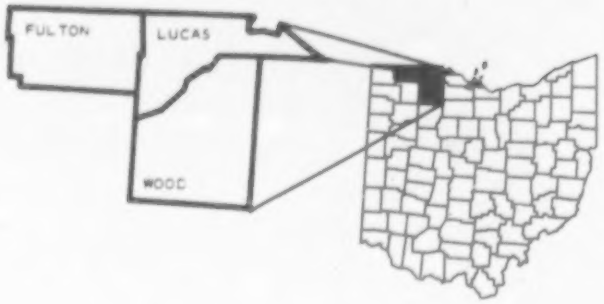
TOLEDO
METROPOLITAN STATISTICAL AREA

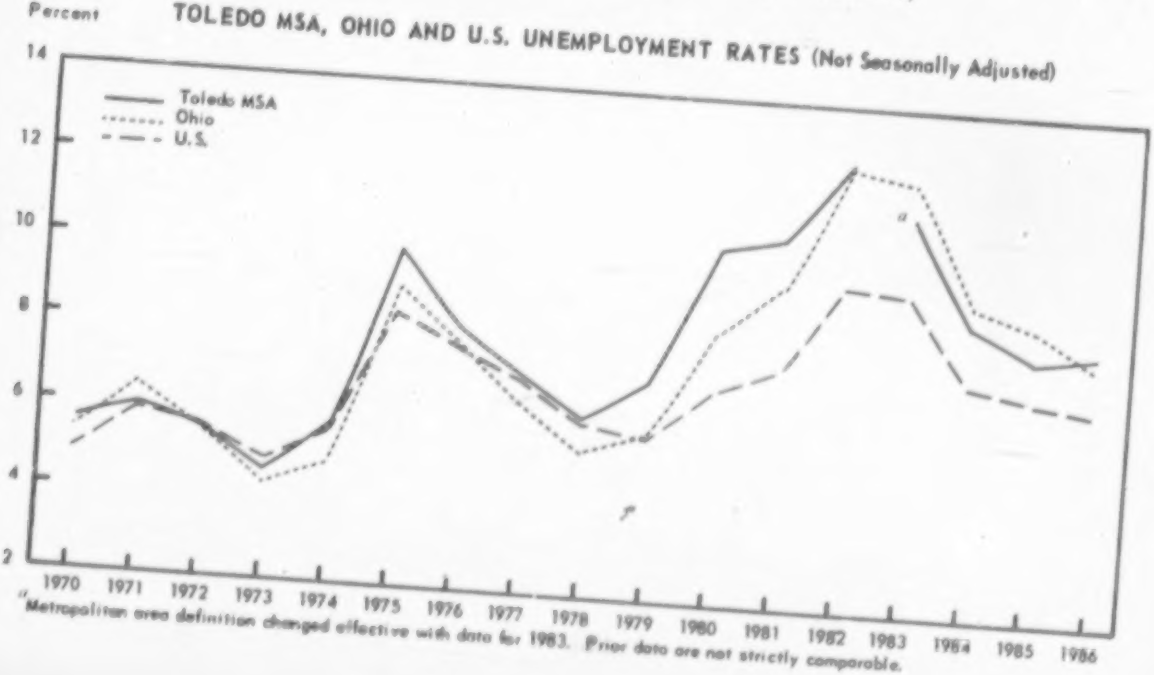


The estimated annual average civilian labor force, based on place of residence, increased 11,500 from 1985, to 308,000 in 1986, in the Toledo metropolitan area. Total employment advanced 9,900 over the year, but unemployment rose 1,600. The unemployment rate increased from 8.2 percent in 1985 to 8.4 percent in 1986. (See table, page 91, top.)

The monthly employer survey indicated that nonagricultural wage and salary employment increased 8,500 over the year. Nearly all nonmanufacturing industries showed improvement. Significant growth was registered in services: business services increased 1,900; health services, 1,600. Gains were also noted in retail trade (+2,200), government (+1,300), and construction (+1,100). Manufacturing employment decreased 2,100 over the period, as reductions were recorded in all industries except rubber and miscellaneous plastics products. Motor vehicles and equipment showed a loss of 1,100 jobs between 1985 and 1986.

Nonfarm employment continued to recover from the recession of the early 1980's primarily due to growth in the nonmanufacturing sector. Gains in services and retail trade contributed most to the recovery. All manufacturing industries except stone, clay, and glass products increased between 1983 and 1986, with motor vehicles and equipment improving the most. However, employment in all manufacturing industries remain below 1979 levels. (See table, page 91, bottom.)

TOLEDO MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Toledo Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	319.3	300.3	19.1	6.0	6.5	5.9
1972	329.4	311.3	18.1	5.5	5.5	5.6
1973	339.8	324.2	15.6	4.6	4.3	4.9
1974	343.8	324.2	19.7	5.7	4.8	5.6
1975	344.8	310.2	34.6	10.0	9.1	8.5
1976	347.8	319.4	28.4	8.2	7.8	7.7
1977	355.0	329.4	25.6	7.2	6.5	7.1
1978	362.1	339.7	22.4	6.2	5.4	6.1
1979	368.2	341.7	26.4	7.2	5.9	5.8
1980	368.2	329.8	38.4	10.4	8.4	7.1
1981	367.4	328.0	39.4	10.7	9.6	7.6
1982	369.4	323.0	46.4	12.6	12.5	9.7
1983[c]	289.2	256.1	33.1	11.4	12.2	9.6
1984	293.5	267.3	26.2	8.9	9.4	7.5
1985	296.5	272.3	24.3	8.2	8.9	7.2
1986	308.0	282.2	25.9	8.4	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

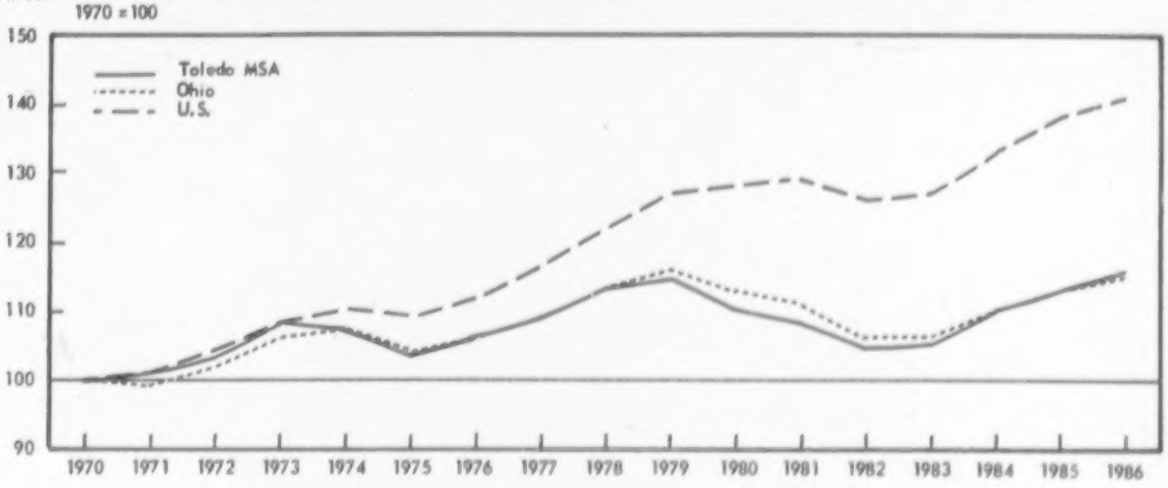
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE TOLEDO METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	268.2	245.7	273.0	-22.5	27.3	121.3	97.6
MANUFACTURING	77.4	59.6	63.6	-17.8	4.0	22.4	13.7
Durable Goods	61.5	46.2	49.6	-15.3	3.4	22.2	11.5
Stone, clay, and glass products ...	13.8	10.1	8.5	-3.7	-1.6	-	-
Transportation equipment	17.7	14.3	17.0	-3.4	2.7	79.4	63.4
Motor vehicles and equipment	16.3	13.1	16.0	-3.2	2.9	90.6	32.5
Nondurable Goods	16.0	13.4	14.0	-2.6	.6	23.0	23.0
CONSTRUCTION	10.3	7.3	9.6	-3.0	2.3	76.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	17.7	13.8	13.9	-3.9	.1	2.5	20.9
WHOLESALE TRADE	14.1	13.9	14.5	- .2	.6	300.0	228.7
RETAIL TRADE	47.1	44.6	52.2	-2.5	7.6	304.0	348.7
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.5	11.0	.2	1.5	+	+
SERVICES	53.0	57.8	67.1	4.8	9.3	+	+
GOVERNMENT	39.0	38.6	40.9	- .4	2.3	575.0	132.6

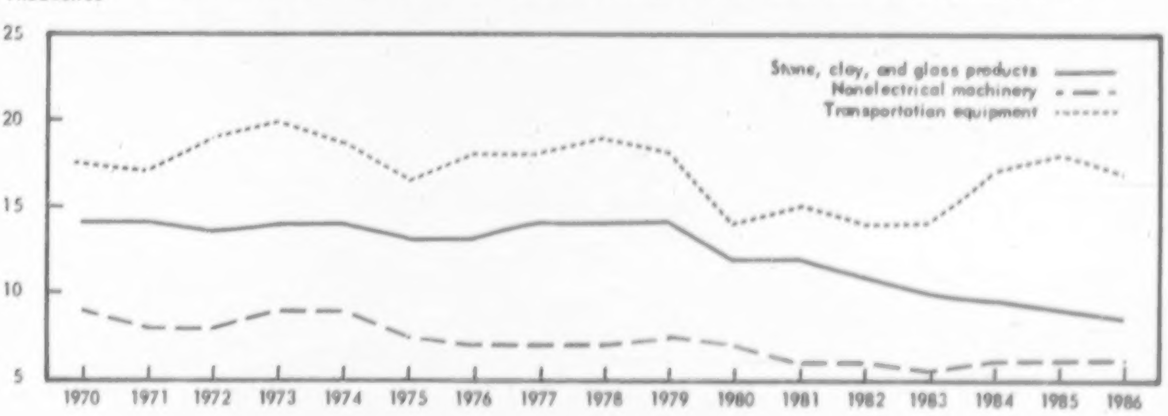
+ No downturn, 1979-1983.

- No upturn, 1983-1986.

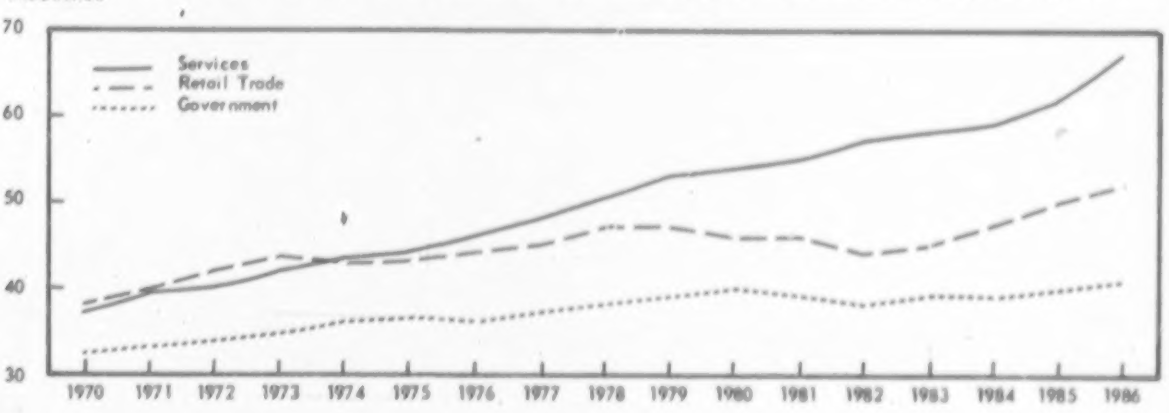
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	273.0	265.8	265.7	266.3	271.2	273.1	270.5	268.6	271.5	277.3	280.0	283.0	283.4
MANUFACTURING	63.6	65.2	63.8	62.9	63.7	62.8	63.3	63.0	64.1	64.5	63.4	63.1	63.0
Durable Goods[b]	49.6	51.7	50.2	49.2	50.0	49.0	49.4	49.1	49.1	49.6	49.6	49.2	48.8
Stone, clay, and glass products	8.5	8.5	8.6	8.6	8.5	8.6	8.7	8.7	8.7	8.7	8.6	8.1	8.1
Primary metal industries	3.3	3.4	3.4	3.5	3.5	3.4	3.4	3.1	3.2	3.3	3.2	3.2	3.2
Fabricated metal products	7.5	7.7	7.5	7.6	7.5	7.4	7.5	7.4	7.5	7.6	7.5	7.5	7.5
Metal forgings and stampings	3.2	3.5	3.3	3.4	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.3	3.2
Machinery, except electrical	6.0	6.0	5.9	6.0	6.0	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.1
Electric and electronic equipment	2.8	3.0	2.0	2.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	2.9	3.0
Transportation equipment	17.0	18.9	18.6	17.3	17.3	16.2	16.5	16.6	16.2	16.4	16.7	16.8	16.5
Motor vehicles and equipment	16.0	17.8	17.6	16.3	16.3	15.2	15.4	15.6	15.2	15.4	15.7	15.8	15.5
Nondurable Goods[c]	14.0	13.5	13.6	13.8	13.6	13.8	13.9	13.9	15.0	15.0	13.8	13.9	14.2
Food and kindred products	3.5	3.3	3.3	3.3	3.2	3.3	3.5	3.4	4.3	4.2	3.3	3.3	3.5
Rubber and misc. plastics products	3.0	2.9	3.0	3.0	3.0	3.0	2.9	3.0	3.1	3.2	3.1	3.1	3.2
NONMANUFACTURING[d]	209.4	200.5	201.8	203.3	207.5	210.3	207.2	205.5	207.4	212.7	216.6	219.9	220.4
CONSTRUCTION	9.6	7.8	7.6	7.9	9.0	9.5	9.8	10.3	10.8	10.9	11.1	10.8	10.1
TRANSPORTATION AND PUBLIC UTILITIES	13.9	13.5	13.5	13.5	13.7	13.8	13.3	13.3	14.2	14.3	14.5	14.5	14.5
Trucking and warehousing	5.5	5.3	5.3	5.3	5.3	5.4	5.4	5.3	5.5	5.5	5.7	5.7	5.8
Communication, electric, gas services	4.9	4.9	4.9	4.9	4.8	4.8	4.2	4.3	5.1	5.1	5.1	5.1	5.1
WHOLESALE TRADE	14.5	14.2	14.2	14.2	14.4	14.6	14.7	14.6	14.6	14.5	14.5	14.5	14.4
Wholesale trade-durable goods	9.7	9.6	9.6	9.6	9.7	9.8	9.8	9.7	9.7	9.7	9.7	9.6	9.5
RETAIL TRADE	52.2	50.5	50.0	50.4	50.7	51.7	52.1	51.9	52.4	52.7	53.5	54.9	56.1
General merchandise stores	7.2	7.4	7.0	7.0	6.8	6.8	6.9	7.0	7.0	7.1	7.3	7.9	8.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	[p] December
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.5	10.6	10.7	10.9	10.9	11.1	11.2	11.2	11.2	11.3	11.3	11.4
Banking	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6
SERVICES	67.1	63.2	63.7	64.2	66.4	66.9	67.1	67.4	67.7	68.2	68.5	70.7	70.9
Business services	12.8	12.0	12.1	12.0	12.8	12.8	12.8	13.1	13.2	13.2	13.2	13.3	13.4
Health services	26.2	25.1	25.0	25.2	25.5	25.7	26.0	26.1	26.3	26.1	26.3	28.5	28.6
Hospitals	14.7	14.3	14.4	14.5	14.6	14.6	14.7	14.8	14.9	14.9	14.9	15.0	15.0
GOVERNMENT	40.9	40.6	42.1	42.2	42.2	42.7	39.0	36.6	36.3	40.6	42.9	42.9	42.8
State government	14.8	14.6	15.9	15.9	15.9	16.1	12.3	11.8	11.5	14.4	16.3	16.4	16.1
State government education	10.8	10.8	12.0	12.0	12.0	12.1	8.3	7.7	7.4	10.4	12.4	12.5	12.2
State government, except education ...	3.9	3.8	3.6	3.9	4.0	3.9	4.0	4.1	4.1	4.0	3.9	3.9	4.0
Local government	23.5	23.4	23.7	23.7	23.7	24.0	24.0	22.2	22.2	23.6	24.0	24.0	24.0
Local government education	13.3	13.4	13.6	13.7	13.6	13.7	13.4	11.4	11.5	13.3	13.8	13.9	14.0
Local government, except education ...	10.3	10.0	10.0	10.0	10.1	10.3	10.6	10.8	10.7	10.3	10.2	10.1	10.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 BS-790-1-7 (1986)

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NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	264.5	256.0	256.2	259.1	261.8	265.0	262.8	261.0	262.6	269.6	272.7	273.4	274.3
MANUFACTURING	65.7	64.6	64.6	65.0	64.7	64.9	65.3	65.5	67.0	67.9	66.9	66.2	66.3
Durable Goods[b]	51.8	51.1	51.0	51.2	50.9	51.0	51.2	51.4	52.2	52.9	53.3	52.6	52.6
Stone, clay, and glass products	8.8	9.4	9.2	9.2	8.7	8.8	8.8	8.7	8.7	8.7	8.6	8.5	8.5
Primary metal industries	3.5	3.5	3.5	3.6	3.6	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.4
Fabricated metal products	7.9	7.8	7.8	7.9	8.0	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.8
Metal forgings and stampings	3.7	3.8	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6
Machinery, except electrical	6.1	6.3	6.1	6.1	6.1	6.0	6.1	6.1	6.1	6.0	6.2	6.2	6.1
Electric and electronic equipment	3.2	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.2	3.0	3.0	3.0
Transportation equipment	18.2	17.2	17.5	17.5	17.3	17.4	17.6	18.1	18.8	19.2	19.7	19.1	19.4
Motor vehicles and equipment	17.1	16.0	16.3	16.3	16.2	16.2	16.4	17.2	17.7	18.1	18.6	18.0	18.3
Nondurable Goods[c]	13.9	13.5	13.6	13.7	13.8	13.8	14.0	14.0	14.7	15.0	13.6	13.6	13.7
Food and kindred products	3.7	3.5	3.5	3.5	3.6	3.6	3.8	3.6	4.3	4.5	3.3	3.3	3.5
Rubber and misc. plastics products	2.9	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	2.9
NONMANUFACTURING[d]	198.8	191.4	191.6	194.2	197.1	200.1	197.5	195.5	195.7	201.7	205.7	207.2	208.0
CONSTRUCTION	8.5	7.3	6.9	7.2	7.6	8.3	8.7	9.1	9.4	9.5	9.7	9.5	9.0
TRANSPORTATION AND PUBLIC UTILITIES	13.9	13.7	13.7	13.7	13.9	14.1	14.1	14.0	14.0	13.9	14.0	14.0	14.0
Trucking and warehousing	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.3	5.2	5.4	5.6	5.6
Communication, electric, gas services	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.9
WHOLESALE TRADE	14.7	14.6	14.7	14.8	14.9	15.0	14.8	14.7	14.6	14.6	14.6	14.6	14.4
Wholesale trade-durable goods	9.9	9.9	10.0	10.0	10.0	10.1	9.9	9.8	9.7	9.7	9.7	9.8	9.7
RETAIL TRADE	50.0	47.9	46.9	47.7	48.7	49.6	50.2	49.9	50.4	50.8	51.4	52.3	53.5
General merchandise stores	7.3	7.3	6.9	6.8	6.9	7.0	7.1	7.0	7.2	7.4	7.7	8.1	8.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1985[a] (Continued)

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	10.2	9.8	9.8	9.8	9.9	10.1	10.3	10.3	10.4	10.3	10.4	10.5	10.6
Banking	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
SERVICES	61.7	58.7	58.9	59.5	60.9	61.5	61.2	62.0	62.3	63.1	64.0	64.1	64.2
Business services	10.9	10.1	10.1	10.2	10.1	10.3	10.6	10.8	11.0	11.1	11.8	12.0	12.1
Health services	24.6	24.1	24.0	24.0	24.2	24.3	24.5	24.8	24.9	25.0	24.9	25.1	25.1
Hospitals	14.2	14.2	14.1	14.1	14.0	14.0	14.2	14.3	14.3	14.3	14.2	14.3	14.3
GOVERNMENT	39.6	39.2	40.5	41.1	41.0	41.3	37.9	35.3	34.3	39.2	41.4	41.8	42.0
State government	14.2	14.0	15.2	15.6	15.5	15.4	11.8	11.4	11.1	13.9	15.6	15.8	15.6
State government education	10.4	10.2	11.4	11.8	11.6	11.6	7.9	7.5	7.2	10.0	11.8	12.1	11.8
State government, except education ...	3.8	3.8	3.8	3.8	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.8
Local government	22.9	22.9	22.9	23.2	23.0	23.5	23.6	21.3	20.7	22.9	23.3	23.5	23.8
Local government education	12.8	13.1	13.3	13.5	13.3	13.5	13.2	10.8	10.2	12.7	13.2	13.4	13.6
Local government, except education ...	10.1	9.7	9.7	9.7	9.8	10.0	10.4	10.6	10.5	10.2	10.1	10.1	10.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-7 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$12.43	$12.41	$12.51	$12.41	$12.35	$12.43	$12.42	$12.50	$12.32	$12.28	$12.48	$12.47	$12.55
Durable Goods[b]	12.93	12.89	12.98	12.96	12.87	12.94	12.86	13.00	12.94	12.89	12.93	12.97	12.94
Stone, clay, and glass products	12.67	13.32	12.89	12.74	12.61	12.61	12.60	12.53	12.52	12.55	12.52	12.61	12.55
Primary metal industries	11.36	11.25	11.38	11.33	11.29	11.36	11.40	11.40	11.22	11.53	11.10	11.49	11.49
Fabricated metal products	11.99	11.52	11.68	11.67	11.83	11.91	11.84	11.98	12.11	12.30	12.33	12.22	12.42
Metal forgings and stampings	13.78	13.20	13.70	13.60	13.72	13.82	13.71	13.76	13.94	13.74	14.04	13.71	14.40
Machinery, except electrical	11.17	10.88	11.00	11.13	11.06	11.20	11.05	11.13	11.20	11.15	11.42	11.39	11.39
Electric and electronic equipment	13.04	12.50	11.96	11.95	13.27	13.68	13.50	13.85	13.10	13.00	12.87	12.76	12.81
Transportation equipment	15.14	14.88	15.18	15.22	15.14	15.17	15.16	15.28	15.30	15.04	15.16	15.17	15.04
Motor vehicles and equipment	15.20	14.93	15.24	15.28	15.21	15.24	15.24	15.36	15.37	15.11	15.22	15.23	15.09
Nondurable Goods[c]	10.65	10.42	10.72	10.38	10.49	10.61	10.87	10.79	10.39	10.40	10.87	10.72	11.15
Food and kindred products	11.95	10.93	12.00	11.39	11.42	12.30	12.56	12.66	10.84	11.29	13.01	12.16	13.26
Rubber and misc. plastics products	8.09	8.09	8.24	8.16	8.35	7.85	8.22	8.03	7.93	7.89	7.91	8.13	8.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	14.12	13.68	13.55	13.71	13.62	13.79	14.55	13.96	14.36	14.53	14.65	14.48	14.59
WHOLESALE TRADE	9.24	9.16	9.07	9.22	9.28	9.31	9.21	9.26	9.23	9.20	9.29	9.31	9.27
RETAIL TRADE[d]	5.35	5.30	5.29	5.32	5.32	5.31	5.31	5.34	5.29	5.39	5.43	5.39	5.47

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-7 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.4	42.9	42.9	42.7	41.8	42.2	42.2	42.1	42.2	42.7	42.6	42.1	42.9
Durable Goods[b]	42.6	43.3	43.1	43.2	41.9	42.4	42.3	42.1	42.3	43.1	42.6	42.2	42.8
Stone, clay, and glass products	43.7	45.3	44.4	44.6	44.1	44.2	43.9	43.1	43.1	43.3	43.2	42.8	43.0
Primary metal industries	44.2	44.6	44.8	44.9	43.0	44.6	44.1	45.8	43.3	45.0	42.2	43.9	44.6
Fabricated metal products	42.0	42.1	43.3	42.3	41.6	41.4	40.9	39.7	41.8	43.2	42.9	41.3	43.4
Metal forgings and stampings	43.1	42.3	43.4	42.7	42.2	41.8	41.4	40.2	45.0	44.1	44.7	43.0	47.2
Machinery, except electrical	41.7	41.9	42.1	41.9	41.4	41.6	40.7	41.2	41.4	41.6	43.3	41.9	41.6
Electric and electronic equipment	43.2	42.3	38.4	41.3	38.4	40.4	42.3	50.9	43.2	44.2	44.8	44.1	44.7
Transportation equipment	42.6	43.7	42.5	43.2	41.4	42.5	42.5	42.1	42.7	43.0	42.3	42.5	42.5
Motor vehicles and equipment	42.6	43.7	42.4	43.1	41.3	42.5	42.4	42.1	42.7	43.0	42.3	42.5	42.4
Nondurable Goods[c]	41.8	41.1	42.2	41.1	41.5	41.6	41.8	42.1	41.7	41.5	42.5	41.6	43.2
Food and kindred products	43.6	40.5	45.6	40.5	41.2	45.1	42.9	45.7	43.3	42.9	47.1	42.4	47.1
Rubber and misc. plastics products	40.7	39.7	40.2	41.3	41.6	39.6	41.9	40.7	40.3	39.7	40.9	41.0	40.9
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	42.9	42.4	41.7	42.7	41.7	42.1	44.6	43.1	43.5	43.9	43.5	43.1	43.5
WHOLESALE TRADE	38.1	37.8	37.3	37.8	39.0	38.9	37.9	38.3	37.7	38.3	38.0	38.7	38.0
RETAIL TRADE	29.1	28.5	28.6	28.5	28.8	29.5	29.2	29.6	29.7	29.1	28.7	28.9	29.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-7 (1986)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$527.03	$532.39	$536.68	$529.91	$516.23	$524.55	$524.12	$526.25	$519.90	$524.36	$531.65	$524.99	$538.40
Durable Goods[b]	550.82	558.14	559.44	559.87	539.25	548.66	543.98	547.30	547.36	555.56	550.82	547.33	553.83
Stone, clay, and glass products	553.68	603.40	572.32	568.20	556.10	557.36	553.14	540.04	539.61	543.42	540.86	539.71	539.65
Primary metal industries	502.11	501.75	509.82	508.72	485.47	506.66	502.74	522.12	485.83	518.85	468.42	504.41	512.45
Fabricated metal products	503.58	484.99	505.74	493.64	492.13	493.07	484.26	475.61	506.20	531.36	528.96	504.69	539.03
Metal forgings and stampings	593.92	558.36	594.58	580.72	578.98	577.68	567.59	553.15	627.30	605.93	627.59	589.53	679.68
Machinery, except electrical	465.79	455.87	463.10	466.35	457.88	465.92	449.74	458.56	463.68	463.84	494.49	477.24	473.82
Electric and electronic equipment	563.33	528.75	459.26	493.54	509.57	552.67	571.05	704.97	565.92	574.60	576.58	562.72	572.61
Transportation equipment	644.96	650.26	645.15	657.50	626.80	644.73	644.30	643.29	653.31	646.72	641.27	644.73	639.20
Motor vehicles and equipment	647.52	652.44	646.18	658.57	628.17	647.70	646.18	646.63	656.30	649.73	643.81	647.28	639.82
Nondurable Goods[c]	445.17	428.26	452.38	426.62	435.34	441.38	454.37	454.26	433.26	431.60	463.06	445.95	481.68
Food and kindred products	521.02	442.67	547.20	461.30	470.50	554.73	538.82	578.56	469.37	484.34	612.77	515.58	624.55
Rubber and misc. plastics products	329.26	321.17	331.25	337.01	347.36	310.86	344.42	326.82	319.58	313.23	323.52	333.33	336.61
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	605.75	580.03	565.04	585.42	567.95	580.56	648.93	601.68	624.66	637.87	637.28	624.09	634.67
WHOLESALE TRADE	352.04	346.25	338.31	348.52	361.92	362.16	349.06	354.66	347.97	352.36	353.02	360.30	352.26
RETAIL TRADE[d]	155.69	151.05	151.29	151.62	153.22	156.65	155.05	158.06	157.11	156.85	155.84	155.77	161.37

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay periods. [f] Not comparable to previous estimates.

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Ohio Bureau of Employment Services
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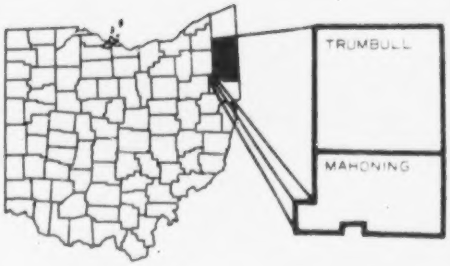
YOUNGSTOWN-WARREN

METROPOLITAN STATISTICAL AREA

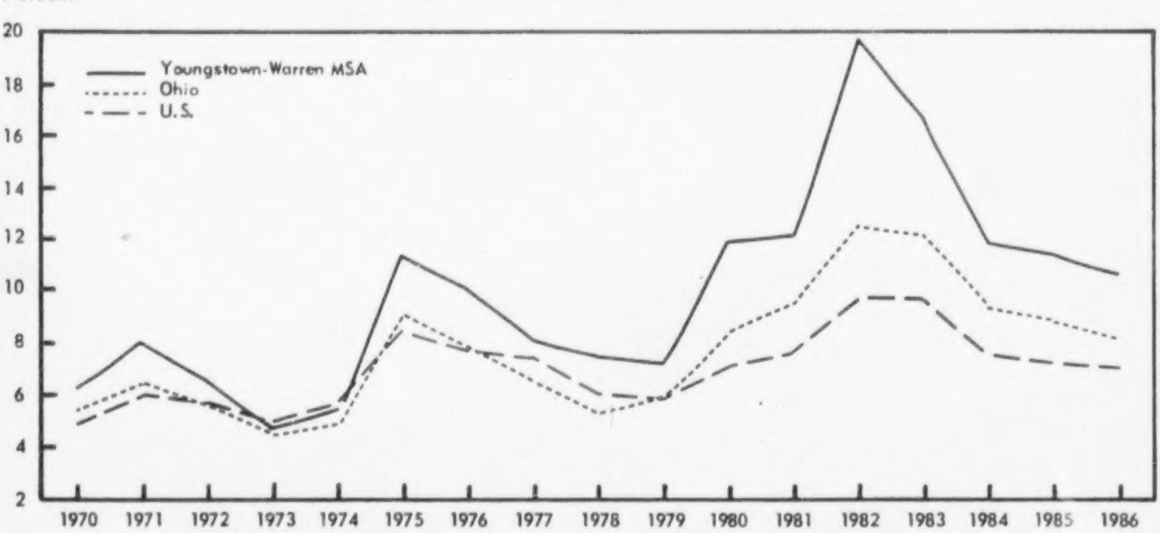


The estimated annual average civilian labor force, based on place of residence, increased 3,600 from 1985, to 224,900 in 1986. Employment rose 4,800 over the year, to 201,100, and unemployment dropped 1,200, to a 1986 total of 23,800. The unemployment rate fell from 11.3 percent in 1985, to 10.6 percent in 1986. (See table, page 101, top.)

Nonagricultural wage and salary employment rose 4,000 in 1986, due to an increase in nonmanufacturing jobs, especially services and retail trade. Manufacturing employment decreased from 52,700 in 1985 to 52,000 in 1986—a loss of 700 jobs. All manufacturing industries were down except transportation equipment, up 1,100 in 1986.

The major growth sector in the Youngstown-Warren metropolitan area since the 1979-1983 recessionary period has been services, with a net gain of 4,000 jobs from 1983 to 1986. Nonagricultural wage and salary employment recovered 29.4 percent. Manufacturing employment continued to decline during the period due to losses in durable-goods industries. (See table, page 101, bottom.)

YOUNGSTOWN-WARREN MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Youngstown-Warren Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	225.1	207.1	18.0	8.0	6.5	5.9
1972	226.9	212.1	14.8	6.5	5.5	5.6
1973	232.5	221.8	10.8	4.6	4.3	4.9
1974	236.7	223.7	13.0	5.5	4.8	5.6
1975	236.7	209.8	26.9	11.4	9.1	8.5
1976	234.2	210.5	23.7	10.1	7.8	7.7
1977	234.0	215.0	19.0	8.1	6.5	7.1
1978	235.2	217.5	17.7	7.5	5.4	6.1
1979	237.1	219.9	17.1	7.2	5.9	5.8
1980	238.9	210.5	28.4	11.9	8.4	7.1
1981	234.0	205.7	28.2	12.1	9.6	7.6
1982	237.0	190.3	46.6	19.7	12.5	9.7
1983	225.6	188.1	37.5	16.6	12.2	9.6
1984	222.2	195.9	26.3	11.8	9.4	7.5
1985	221.3	196.3	25.0	11.3	8.9	7.2
1986	224.9	201.1	23.8	10.62	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

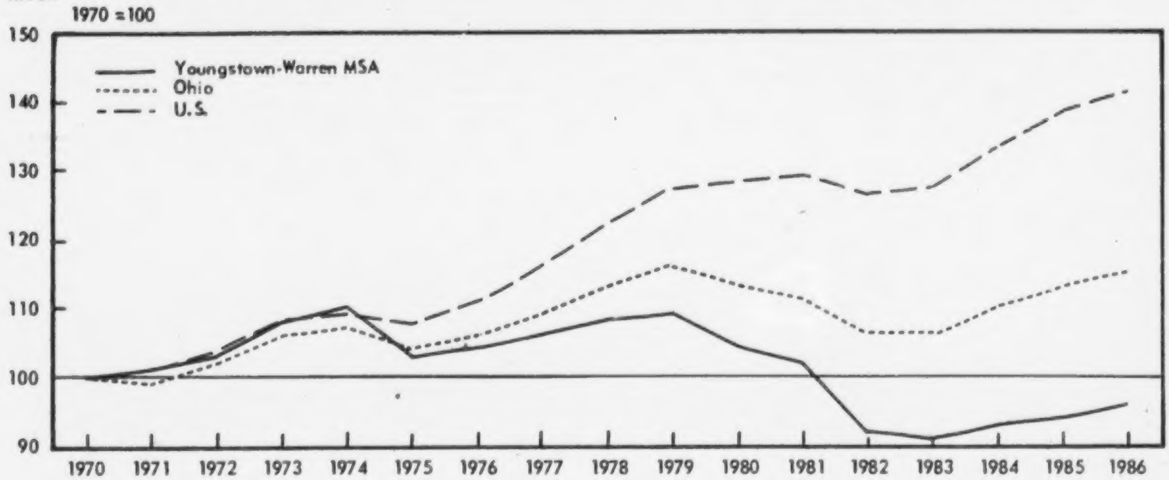
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	213.9	177.5	188.2	-36.4	10.7	29.4	97.6
MANUFACTURING	79.9	52.8	52.0	-27.1	- .8	-	13.7
Durable Goods	73.9	47.7	46.6	-26.2	-1.1	-	11.5
Primary metal industries	35.7	22.4	19.7	-13.3	-2.7	-	-
Blast furnace & basic steel products	20.9	9.0	6.4	-11.9	-2.6	-	-
Fabricated metal products	9.7	7.7	7.7	-2.0	.0	-	15.4
Transportation equipment	13.7	8.3	10.0	-5.4	1.7	31.4	63.4
Nondurable Goods	6.0	5.0	5.4	-1.0	.4	40.0	23.0
CONSTRUCTION	7.0	4.8	6.8	-2.2	2.0	90.9	57.6
TRANSPORTATION AND PUBLIC UTILITIES	10.1	7.6	7.8	-2.5	.2	8.0	20.9
WHOLESALE TRADE	8.1	7.7	9.0	- .4	1.3	325.0	228.7
RETAIL TRADE	38.5	34.3	37.7	-4.2	3.4	80.9	348.7
FINANCE, INSURANCE, AND REAL ESTATE	7.0	7.1	8.0	.1	.9	+	+
SERVICES	37.2	38.9	42.9	1.7	4.0	+	+
GOVERNMENT	25.6	23.6	23.7	-2.0	.1	5.0	132.6

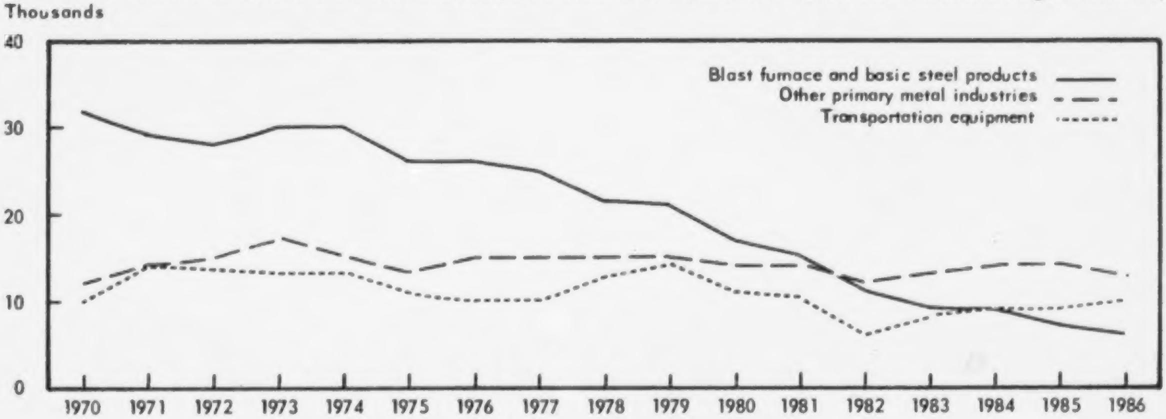
+ No downturn, 1979-1983.

- No upturn, 1983-1986.

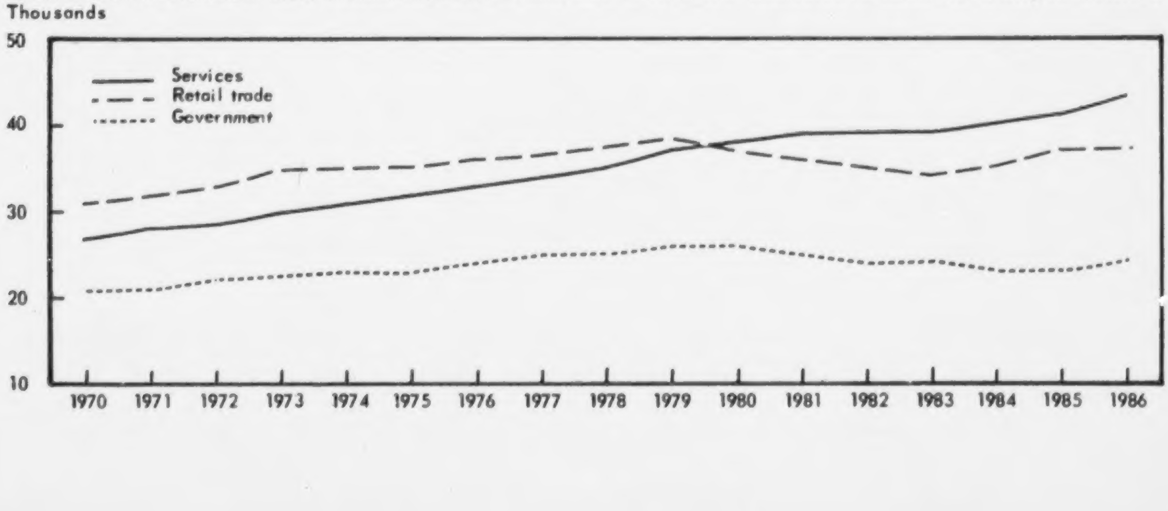
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	184.2	178.2	178.5	180.5	183.1	186.0	185.8	184.1	182.3	187.8	188.4	187.7	187.9
MANUFACTURING	52.7	52.6	52.5	53.0	52.9	52.8	52.9	52.3	50.0	53.8	53.8	53.3	53.1
Durable Goods[b]	47.5	47.4	47.4	47.8	47.7	47.7	47.9	47.2	44.7	48.4	48.2	47.8	47.9
Primary metal industries	20.7	21.0	20.8	21.1	21.1	20.9	20.9	20.4	20.3	20.5	20.4	20.2	20.2
Blast furnace and basic steel products	6.8	7.0	7.1	7.4	7.3	7.3	7.3	6.7	6.5	6.4	6.5	6.4	6.3
Fabricated metal products	8.0	7.9	8.0	8.0	8.0	8.1	8.1	8.0	8.1	8.1	8.2	8.0	8.0
Machinery, except electrical	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.1	4.0	4.0	4.0	3.9	3.8
Electric and electronic equipment	2.6	2.8	2.7	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Transportation equipment	8.9	8.6	8.6	8.6	8.7	8.8	8.9	8.8	6.5	9.9	9.8	9.8	10.0
Nondurable Goods[c]	5.2	5.2	5.1	5.2	5.2	5.1	5.0	5.1	5.2	5.4	5.6	5.5	5.2
NONMANUFACTURING[d]	131.4	125.6	126.0	127.5	130.2	133.1	132.9	131.8	132.4	134.0	134.7	134.5	134.8
CONSTRUCTION	6.3	4.8	4.5	4.9	5.6	6.3	6.9	7.2	7.7	7.4	7.2	6.6	6.0
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8	7.7	7.7
Communication, electric, gas services	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
WHOLESALE TRADE	8.6	8.3	8.3	8.4	8.6	8.7	8.8	8.6	8.8	8.8	8.7	8.6	8.6
Wholesale trade-durable goods	5.7	5.5	5.5	5.6	5.7	5.8	5.9	5.8	5.8	5.8	5.7	5.7	5.7
RETAIL TRADE	36.7	34.9	34.3	34.8	36.1	36.9	37.3	37.1	37.4	37.5	37.3	38.0	38.6
General merchandise stores	6.2	6.2	5.8	5.7	5.8	5.9	6.0	6.1	6.3	6.3	6.5	7.0	7.2
FINANCE, INSURANCE, AND REAL ESTATE	7.5	7.2	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8
Banking	2.6	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
SERVICES	41.1	39.4	39.8	40.3	40.9	41.6	41.8	41.8	41.6	42.3	41.6	41.0	40.9
Health services	18.1	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3
Hospitals	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8
GOVERNMENT	23.0	23.0	23.7	23.8	23.4	23.9	22.2	21.0	20.9	22.1	23.7	24.2	24.5
State government	3.8	3.6	4.1	4.2	3.8	4.1	4.0	3.2	3.1	2.7	3.8	4.3	4.3
State government education	2.3	2.2	2.7	2.7	2.3	2.7	2.5	1.6	1.6	1.2	2.4	2.8	2.8
State government, except education	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.5
Local government	17.3	17.5	17.6	17.7	17.6	17.8	16.2	15.8	15.8	17.4	17.9	18.0	18.2
Local government education	10.9	11.2	11.4	11.5	11.4	11.5	9.6	9.2	9.2	11.0	11.6	11.7	11.7
Local government, except education	6.4	6.3	6.2	6.3	6.3	6.3	6.6	6.7	6.6	6.5	6.3	6.3	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-8 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	184.2	178.2	178.5	180.5	183.1	186.0	185.8	184.1	182.3	187.8	188.4	187.7	187.9
MANUFACTURING	52.7	52.6	52.5	53.0	52.9	52.8	52.9	52.3	50.0	53.8	53.8	53.3	53.1
Durable Goods[b]	47.5	47.4	47.4	47.8	47.7	47.7	47.9	47.2	44.7	48.4	48.2	47.8	47.9
Primary metal industries	20.7	21.0	20.8	21.1	21.1	20.9	20.9	20.4	20.3	20.5	20.4	20.2	20.2
Blast furnace and basic steel products	6.8	7.0	7.1	7.4	7.3	7.3	7.3	6.7	6.5	6.4	6.5	6.4	6.3
Fabricated metal products	8.0	7.9	8.0	8.0	8.0	8.1	8.1	8.0	8.1	8.1	8.2	8.0	8.0
Machinery, except electrical	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.1	4.0	4.0	4.0	3.9	3.8
Electric and electronic equipment	2.6	2.8	2.7	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Transportation equipment	8.9	8.6	8.6	8.6	8.7	8.8	8.9	8.8	6.5	9.9	9.8	9.8	10.0
Nondurable Goods[c]	5.2	5.2	5.1	5.2	5.2	5.1	5.0	5.1	5.2	5.4	5.6	5.5	5.2
NONMANUFACTURING[d]	131.4	125.6	126.0	127.5	130.2	133.1	132.9	131.8	132.4	134.0	134.7	134.5	134.8
CONSTRUCTION	6.3	4.8	4.5	4.9	5.6	6.3	6.9	7.2	7.7	7.4	7.2	6.6	6.0
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8	7.7	7.7
Communication, electric, gas services	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
WHOLESALE TRADE	8.6	8.3	8.3	8.4	8.6	8.7	8.8	8.6	8.8	8.8	8.7	8.6	8.6
Wholesale trade-durable goods	5.7	5.5	5.5	5.6	5.7	5.8	5.9	5.8	5.8	5.8	5.7	5.7	5.7
RETAIL TRADE	36.7	34.9	34.3	34.8	36.1	36.9	37.3	37.1	37.4	37.5	37.3	38.0	38.6
General merchandise stores	6.2	6.2	5.8	5.7	5.8	5.9	6.0	6.1	6.3	6.3	6.5	7.0	7.2
FINANCE, INSURANCE, AND REAL ESTATE	7.5	7.2	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8
Banking	2.6	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
SERVICES	41.1	39.4	39.8	40.3	40.9	41.6	41.8	41.8	41.6	42.3	41.6	41.0	40.9
Health services	18.1	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3
Hospitals	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8
GOVERNMENT	23.0	23.0	23.7	23.8	23.4	23.9	22.2	21.0	20.9	22.1	23.7	24.2	24.5
State government	3.8	3.6	4.1	4.2	3.8	4.1	4.0	3.2	3.1	2.7	3.8	4.3	4.3
State government education	2.3	2.2	2.7	2.7	2.3	2.7	2.5	1.6	1.6	1.2	2.4	2.8	2.8
State government, except education	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.5
Local government	17.3	17.5	17.6	17.7	17.6	17.8	16.2	15.8	15.8	17.4	17.9	18.0	18.2
Local government education	10.9	11.2	11.4	11.5	11.4	11.5	9.6	9.2	9.2	11.0	11.6	11.7	11.7
Local government, except education	6.4	6.3	6.2	6.3	6.3	6.3	6.6	6.7	6.6	6.5	6.3	6.3	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-8 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$13.30	$13.57	$13.51	$13.34	$13.21	$13.18	$13.17	$13.21	$13.10	$13.31	$13.19	$13.32	$13.51
Durable Goods[b]	13.67	13.93	13.88	13.68	13.56	13.55	13.51	13.59	13.46	13.68	13.58	13.69	13.87
Primary metal industries	14.23	14.17	14.03	13.93	13.96	13.91	14.06	14.34	14.51	14.45	14.38	14.44	14.50
Blast furnace and basic steel products	14.31	13.66	13.68	13.62	13.51	13.53	13.80	14.36	14.74	14.73	14.85	15.16	15.51
Fabricated metal products	13.48	13.69	13.70	13.87	13.56	13.87	13.58	13.19	12.99	13.14	12.97	13.42	13.67
Machinery, except electrical	11.36	11.62	11.44	11.31	11.35	11.22	11.26	11.19	11.28	11.35	11.28	11.51	11.52
Electric and electronic equipment	10.49	10.30	10.37	10.37	10.40	10.45	10.35	10.36	10.35	10.70	10.70	10.78	10.66
Transportation equipment	15.14	16.02	15.98	15.49	15.11	14.98	14.83	14.98	14.35	14.98	14.89	14.73	15.16
Nondurable Goods[c]	9.34	9.13	9.14	9.29	9.16	9.34	9.48	9.31	9.29	9.40	9.39	9.47	9.63
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.06	12.70	12.74	12.93	12.76	12.77	13.04	13.30	13.04	13.21	13.41	13.37	13.41
WHOLESALE TRADE	8.68	8.60	8.58	8.65	8.67	8.64	8.54	8.60	8.71	8.68	8.74	8.95	8.80
RETAIL TRADE[d]	5.66	5.63	5.67	5.70	5.67	5.63	5.64	5.63	5.59	5.65	5.68	5.68	5.77

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-8 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.6	42.3	42.2	41.2	41.1	40.5	41.0	41.1	41.3	41.9	41.3	41.9	42.9
Durable Goods[b]	41.8	42.6	42.5	41.4	41.3	40.7	41.1	41.3	41.5	42.2	41.5	42.2	43.1
Primary metal industries	40.1	40.7	40.0	38.9	39.3	38.5	38.8	39.3	40.3	41.4	40.7	41.6	42.0
Blast furnace and basic steel products	39.6	37.3	37.1	37.1	36.8	36.1	37.3	39.4	40.8	42.4	42.1	43.8	45.4
Fabricated metal products	41.5	41.1	41.1	41.5	41.0	42.2	42.2	41.5	41.3	41.0	40.5	42.1	42.7
Machinery, except electrical	40.9	40.7	41.0	41.4	41.3	40.5	40.7	40.0	40.9	40.7	40.5	40.6	42.4
Electric and electronic equipment	39.4	38.6	39.5	39.1	39.9	38.8	39.2	39.4	39.4	40.1	39.7	40.0	38.7
Transportation equipment	46.1	49.6	49.5	46.9	45.8	43.9	45.1	45.4	44.6	45.6	44.7	44.8	47.6
Nondurable Goods[c]	39.1	39.2	39.4	38.7	39.1	38.7	40.0	39.3	38.6	38.9	39.0	38.8	40.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.4	40.1	39.8	40.4	40.4	40.3	41.0	41.1	40.2	40.4	40.6	40.5	40.6
WHOLESALE TRADE	38.2	38.3	37.8	38.1	38.5	39.2	37.9	38.8	38.3	38.0	38.2	37.6	37.8
RETAIL TRADE	29.5	28.5	28.9	28.8	29.4	29.8	29.9	30.0	30.1	29.6	29.6	29.4	30.4

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-8 (1986)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$553.28	$574.01	$570.12	$549.61	$542.93	$533.79	$539.97	$542.93	$541.03	$557.69	$544.75	$558.11	$579.58
Durable Goods[b]	571.41	593.42	589.90	566.35	560.03	551.49	555.26	561.27	558.59	577.30	563.57	577.72	597.80
Primary metal industries	570.62	576.72	561.20	541.88	548.63	535.54	545.53	563.56	584.75	598.23	585.27	600.70	609.00
Blast furnace and basic steel products	566.68	509.52	507.53	505.30	497.17	488.43	514.74	565.78	601.39	624.55	625.19	664.01	704.15
Fabricated metal products	559.42	562.66	563.07	575.61	555.96	585.31	573.08	547.39	536.49	538.74	525.29	564.98	583.71
Machinery, except electrical	464.62	472.93	469.04	468.23	468.76	454.41	458.28	447.60	461.35	461.95	456.84	467.31	488.45
Electric and electronic equipment	413.31	397.58	409.62	405.47	414.96	405.46	405.72	408.18	407.79	429.07	424.79	431.20	412.54
Transportation equipment	697.95	794.59	791.01	726.48	692.04	657.62	668.83	680.09	640.01	683.09	665.58	659.90	721.62
Nondurable Goods[c]	365.19	357.90	360.12	359.52	358.16	361.46	379.20	365.88	358.59	365.66	366.21	367.44	386.16
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	527.62	509.27	507.05	522.37	515.50	514.63	534.64	546.63	524.21	533.68	544.45	541.49	544.45
WHOLESALE TRADE	331.58	329.38	324.32	329.57	333.80	338.69	323.67	333.68	333.59	329.84	333.87	336.52	332.64
RETAIL TRADE[d]	166.97	160.46	163.86	164.16	166.70	167.77	168.64	168.90	168.26	167.24	168.13	166.99	175.41

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneus manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-8 (1986)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark. Employment data for 1986 will be revised at the next benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

The Ohio Labor Force, 1986

Richard S. Warman, Chief
Labor Force Reports

Each month, the U.S. Bureau of the Census conducts a national household survey, the Current Population Survey (CPS), which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,234,000 in 1986, comprising 4,809,000 employed and 426,000 unemployed. The unemployment rate was 8.1 percent, down from 8.9 percent in 1985.

For men, the unemployment rate was 8.7 percent, compared to 7.3 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces—mining, construction, manufacturing, and transportation and public utilities—were hard hit and, despite recent gains (except in mining), have not returned to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees—services and finance, insurance, and real estate—added workers even during the recessions of the early 1980's. Women comprised 43.9 percent of the labor force and 39.7 percent of the unemployed in 1986.

Unemployment rates were highest for young workers (16-24)—16.7 percent for men and 12.7 percent for women. For prime-age workers (25-54), the rates were 7.3 percent for men and 6.1 percent for women. Older workers (55 and over) had the lowest unemployment rates—4.3 percent for men and 2.9 percent for women.

In 1986, the nonwhite unemployment rate (16.8 percent) was more than double the rate for white workers (7.2 percent). The result was that while nonwhites made up 9.7 percent of the labor force, they constituted 20.0 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 18.4 percent for nonwhite men, 7.8 percent for white men, 15.1 percent for nonwhite women, and 6.4 percent for white women.

Later this year, the Ohio Bureau of Employment Services will provide additional labor force information in its publication, "Ohio at Work: A Chartbook For 1986."

Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1986

Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,234,000	4,809,000	426,000	8.1
Men, total	2,938,000	2,681,000	257,000	8.7
Young Men (16-24)	569,000	474,000	9[illegible],000	16.7
Prime-Age Men (25-54)	1,976,000	1,831,000	144,000	7.3
Older Men (55 and over)	393,000	376,000	17,000	4.3
Women, total	2,296,000	2,127,000	169,000	7.3
Young Women (16-24)	527,000	460,000	67,000	12.7
Prime-Age Women (25-54)	1,531,000	1,436,000	94,000	6.1
Older Women (55 and over)	238,000	231,000	7,000	2.9
White, total	4,728,000	4,387,000	341,000	7.2
White Men	2,683,000	2,474,000	210,000	7.8
White Women	2,044,000	1,913,000	131,000	6.4
Nonwhite, total	506,000	422,000	85,000	16.8
Nonwhite Men	255,000	207,000	47,000	18.4
Nonwhite Women	252,000	214,000	38,000	15.1

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

March 1987

Summary. The seasonally adjusted unemployment rate in Ohio fell from 8.6 percent in February to 7.5 percent in March. The national rate was slightly reduced, from 6.7 percent to 6.6 percent. Ohio's civilian labor force, at 5,215,000, was down 88,000 from last month. Total employment declined 24,000, to 4,824,000. There were 64,000 fewer unemployed Ohioans in March than in February. Seasonally adjusted nonagricultural wage and salary employment in Ohio totaled 4,564,000 in March, unchanged from February, as increases in nonmanufacturing industries, especially in services and retail trade, were offset by losses in durable-goods manufacturing. (See page 3.)

Factory Employment. Ohio manufacturing employment (seasonally adjusted) decreased 8,000 from February, to 1,100,000 in March. Employment in durable-goods industries fell from 750,000 to 742,000, due to temporary shutdowns in motor vehicles and equipment. Nondurable-goods employment in March, at 357,000, was little changed from February.

Nonmanufacturing. Gains in services and retail trade helped boost nonmanufacturing employment 8,000 over the month, to 3,464,000 in March. The employment level rose slightly in government, but declined in construction and transportation and public utilities. All other divisions were unchanged from February.

Over the Year. Ohio's civilian labor force dropped 82,000 from March 1986 to March 1987. Total employment was 72,000 lower, while total unemployment was down 10,000. The unemployment rate changed from 7.6 percent in March 1986 to 7.5 percent in March 1987. The nationwide rate fell from 7.2 percent to 6.6 percent during the same period. Nonagricultural payroll employment rose 124,000 from March 1986. All major industry divisions had increased employment, except manufacturing (-17,000) and mining (-3,000). The greatest gains occurred in services (+59,000) and retail trade (+35,000). Significant advances were also noted in construction and finance, insurance, and real estate.

Factory Hours and Earnings. In March 1987, average weekly earnings of manufacturing production workers rose above the $500 mark for the first time. Production workers averaged $500.98 per week, up $1.93 from February. Their average workweek was lengthened .2 hours, to 42.6 hours. Although many industries had increased earnings, the most significant gains were in nonelectrical machinery, especially general industrial machinery, in fabricated metal products, and in stone, clay, and glass products. Less overtime reduced earnings in refrigeration and service machinery, aircraft and parts, and preserved fruits and vegetables.

Benefits and Costs. There were 58,948 initial claims filed under the Ohio Unemployment Compensation Law in March, down 1.8 percent from February, but up 3.9 percent from March 1986. Total benefits paid dropped 4.0 percent from last month, to $73.2 million. The average weekly benefit check of $151.73 was $.20 higher than in February. The average weekly number of benefit recipients declined 5.4 percent, to 121,596. At the end of March, there were 196,049 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services helped 44,080 new job applicants in March, up 3.4 percent from February. There was a 46.3 percent increase in the number of job openings received from employers, from 8,456 in February, to 12,372 in March. The Employment Services Division made 24,404 job referrals and 4,837 placements.

Hire Persons with Disabilities

People at Work is what the American dream is all about and people with disabilities are a part of this dream. But some are excluded. Many people ignore the ABILITY and just see the DISABILITY.

It's difficult to reach your dream without a job. Various studies show that approximately two-thirds of all disabled workers between 16 and 64 years old are not working — do what you can to promote employment and to employ qualified workers with disabilities.

Call your local Job Service Office for referral of qualified disabled job applicants.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1987	Feb. 1987	Mar. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,215	5,303	5,297	-88	-82	-1.7	-1.5
Employment	4,824	4,848	4,896	-24	-72	-0.5	-1.5
Unemployment	391	455	401	-64	-10	-14.1	-2.5
Unemployment Rate	7.5	8.6	7.6				
Employer Survey Data[e]							
Total	4,564	4,564	4,440	0	124	0.0	2.8
Manufacturing	1,100	1,108	1,117	-8	-17	-0.7	-1.5
Durable Goods	742	750	760	-8	-18	-1.0	-2.4
Nondurable Goods	357	358	356	0	1	-0.1	0.3
Nonmanufacturing	3,464	3,456	3,323	8	141	0.2	4.2
Mining	21	21	24	0	-3	0.0	-10.5
Construction	170	171	156	-1	14	-0.7	8.7
Transportation and Public Utilities	210	211	203	-1	8	-0.3	3.8
Wholesale Trade	249	249	244	0	5	0.0	1.9
Retail Trade	846	842	811	3	35	0.4	4.3
Finance, Insurance, and Real Estate	240	240	227	0	13	0.2	5.8
Services	1,041	1,036	981	5	59	0.5	6.1
Government	687	686	676	1	10	0.2	1.5
Goods Producing Industries[f]	1,291	1,300	1,297	-10	-6	-0.7	-0.5
Service Producing industries[g]	3,273	3,264	3,143	9	130	0.3	4.1

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.			Manufacturing		
								Durable	Nondurable
					1985				
5,132	4,657	475	9.3	7.2	March	4,345	1,130	775	355
5,133	4,670	463	9.0	7.3	April	4,359	1,127	772	355
5,084	4,664	420	8.3	7.2	May	4,379	1,128	773	356
5,078	4,645	433	8.5	7.3	June	4,368	1,124	770	355
5,150	4,647	503	9.8	7.3	July	4,374	1,122	767	355
5,132	4,675	457	8.9	7.1	August	4,380	1,119	763	356
5,167	4,701	466	9.0	7.1	September	4,385	1,114	759	355
5,172	4,707	465	9.0	7.1	October	4,398	1,117	762	356
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,564	1,100	742	357

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,215	27	152	203	244	March	776	216	935	662
3,232	27	154	203	244	April	782	217	942	664
3,250	27	155	203	245	May	788	218	949	664
3,244	26	154	203	244	June	789	218	948	663
3,252	26	154	202	243	July	790	219	952	667
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,464	21	170	210	249	March	846	240	1041	687

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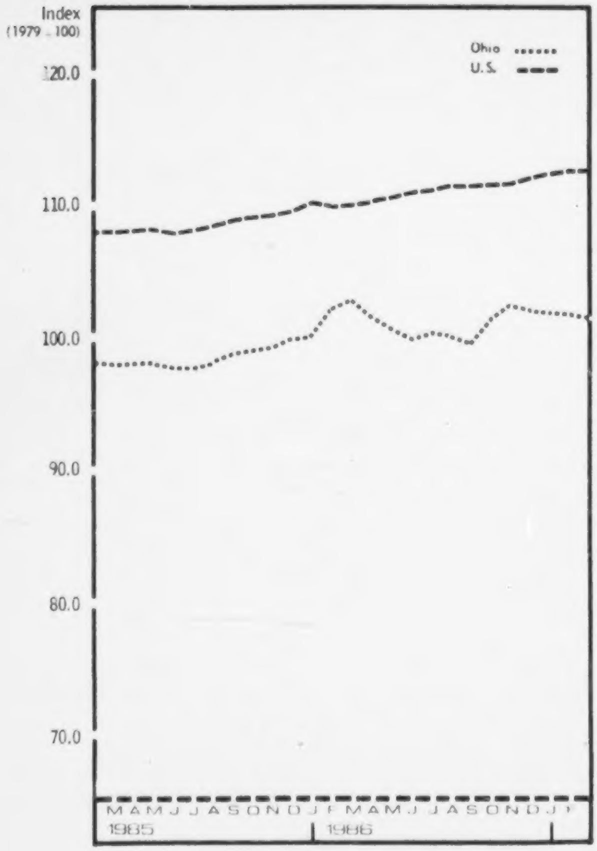
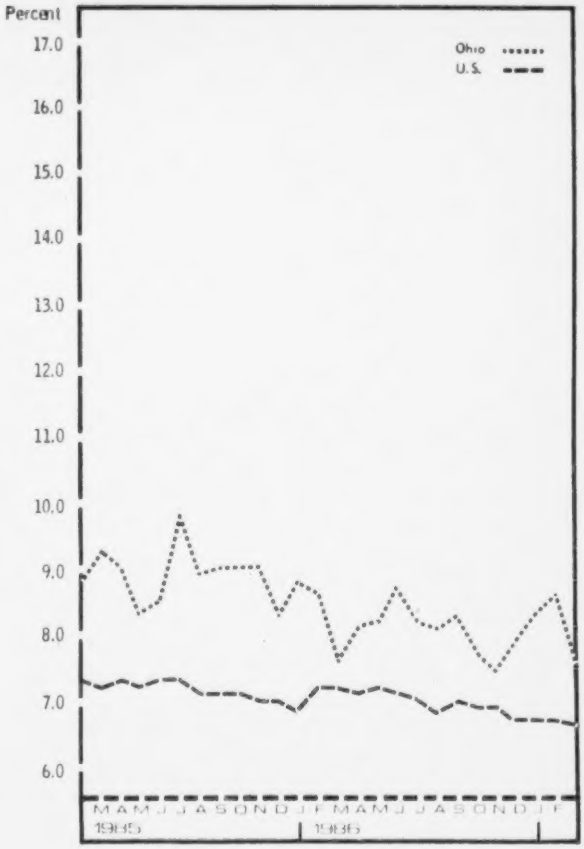
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)

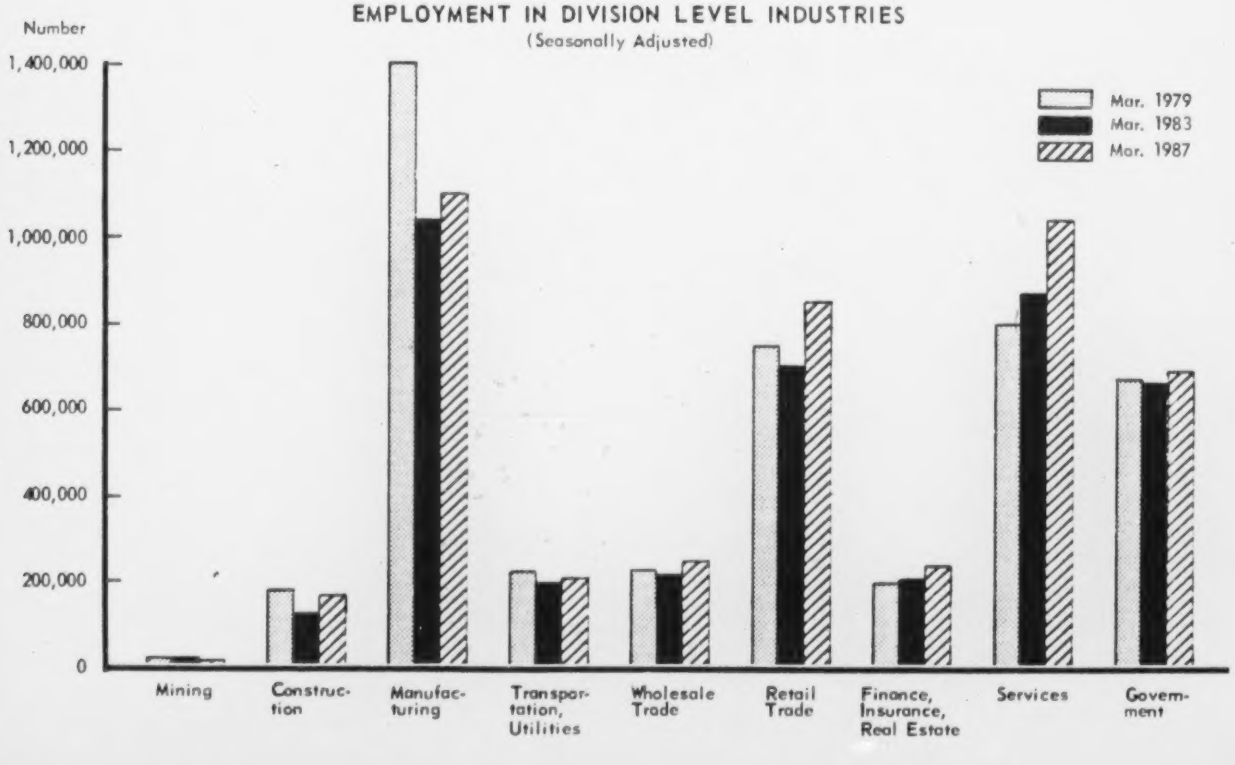


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural	Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.2	766.7	355.5
5,234	4,809	426	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1985				
5,233	4,819	415	7.9	7.5	March	4,374.5	1,110.0	757.2	352.8
5,225	4,811	414	7.9	7.0	April	4,446.7	1,114.1	760.3	353.9
5,187	4,798	389	7.5	7.0	May	4,491.8	1,112.3	757.2	355.1
5,267	4,809	458	8.7	7.3	June	4,510.9	1,118.3	760.1	358.2
5,295	4,882	413	7.8	7.0	July	4,478.3	1,105.8	750.6	355.2
5,261	4,838	423	8.0	6.7	August	4,488.4	1,107.4	748.4	359.0
5,189	4,755	434	8.4	6.8	September	4,531.8	1,109.4	748.0	351.4
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.6
5,205	4,732	473	9.1	7.2	February	4,467.2	1,096.0	742.4	353.6
5,154	4,749	405	7.9	6.9	March	4,492.9	1,093.0	739.2	353.8

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,264.5	23.1	133.9	198.9	242.3	March	784.8	225.3	965.7	690.5
3,332.6	22.6	151.3	201.9	244.2	April	803.5	228.1	990.8	690.1
3,379.5	22.5	162.0	203.2	245.6	May	817.2	230.6	1,003.4	694.9
3,392.6	22.5	168.1	203.7	247.0	June	825.3	233.5	1,012.8	679.8
3,372.5	22.6	175.3	208.1	247.1	July	825.9	236.1	1,013.8	643.5
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	695.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,399.9	20.6	145.4	206.5	246.8	March	817.7	238.3	1,024.2	700.5

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	$233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.2	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,110.0	757.2	352.8	March	761.5	371.8	32.1
1,114.1	760.3	353.9	April	764.1	367.9	31.9
1,112.3	757.2	355.1	May	761.6	365.8	31.8
1,118.3	760.1	358.2	June	764.9	368.5	32.0
1,105.8	750.6	355.2	July	751.6	357.5	31.1
1,107.4	748.4	359.0	August	753.5	362.7	31.6
1,109.4	748.0	361.4	September	756.4	368.6	32.0
1,098.4	741.5	356.9	October	746.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,093.0	739.2	353.8	March	745.8	373.6	31.8

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
488.25	512.48	433.46	March
481.54	504.71	426.59	April
480.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	438.19	July
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
500.98	523.74	448.03	March

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
42.2	42.6	41.4	March
41.8	42.2	40.9	April
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February
42.6	43.0	41.6	March

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$ 6.10	$ 6.25	$ 5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
March	11.57	12.03	10.47
April	11.52	11.96	10.43
May	11.49	11.90	10.53
June	11.50	11.90	10.57
July	11.49	11.86	10.61
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.76	12.18	10.77

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[*]

Employment

(in thousands)

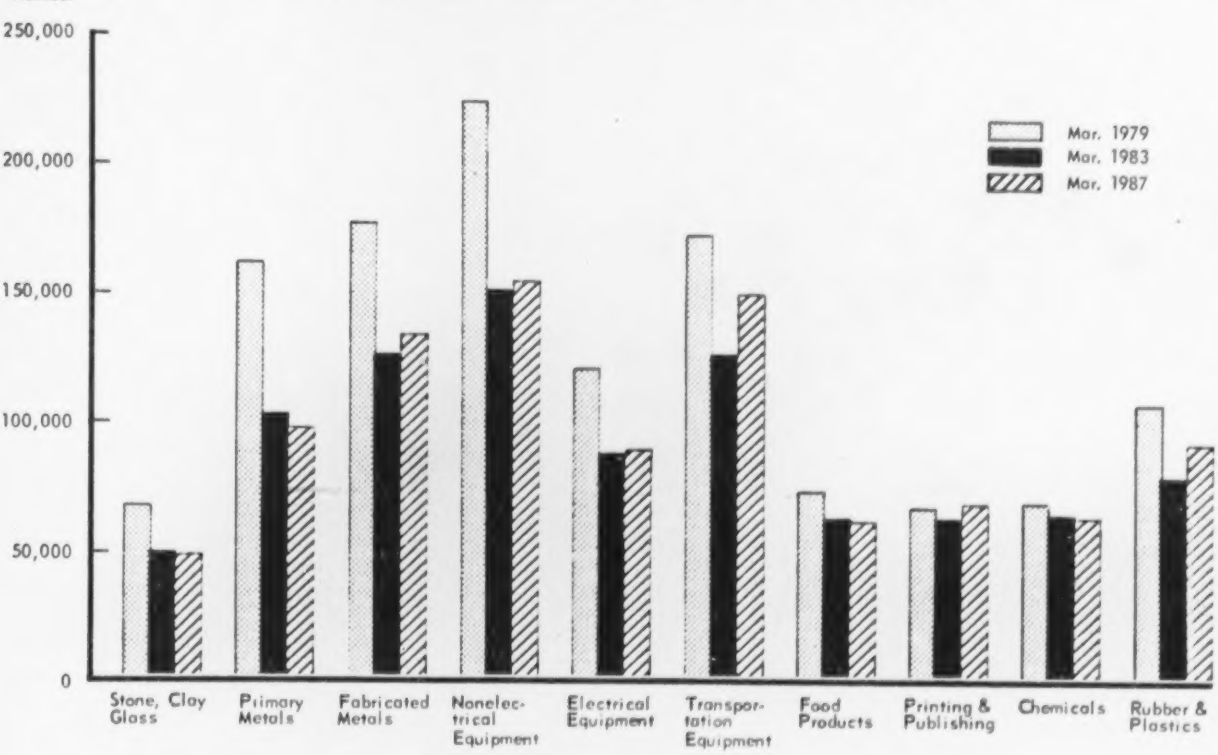
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.5	101.8	139.5	1985	166.1	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
48.2	99.0	137.4	March	160.7	89.0	154.3	March	60.7	67.6	92.1
49.6	98.5	137.9	April	160.5	89.6	154.5	April	60.6	68.0	92.4
49.9	98.4	137.6	May	160.3	90.1	150.5	May	61.6	68.1	92.3
50.5	97.2	137.8	June	160.3	89.6	154.0	June	62.6	68.9	92.9
50.4	93.9	135.5	July	159.0	89.1	153.5	July	63.0	68.9	90.2
50.6	91.9	135.5	August	158.3	90.4	151.1	August	66.2	68.9	90.2
50.4	90.1	137.2	September	158.1	90.1	151.2	September	66.6	69.3	91.2
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.5	133.6	March	153.7	89.2	149.4	March	61.5	69.0	90.5

Average Weekly Earnings of Production Workers

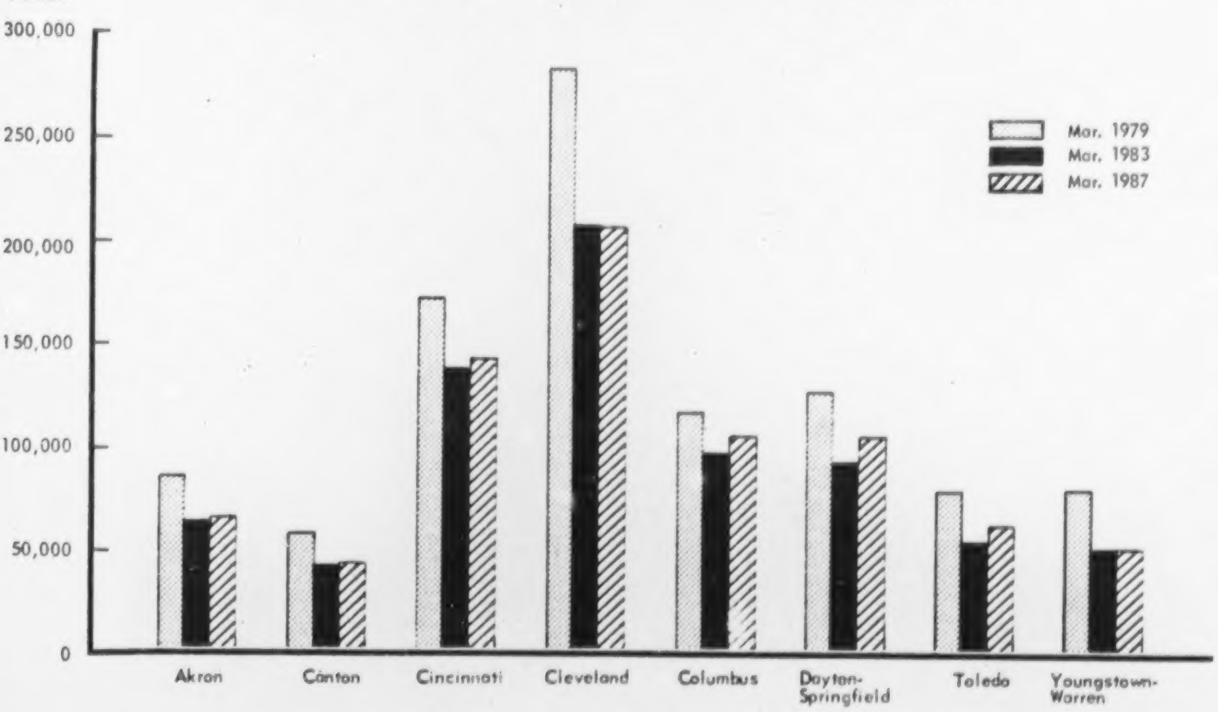
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$232.40	$294.58	$256.68	1976	$253.31	$221.54	$302.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	366.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
446.37	550.78	506.32	March	489.20	459.80	644.67	March	395.39	408.67	438.60
444.11	546.40	495.01	April	482.22	452.79	632.60	April	399.10	398.91	423.43
446.37	547.80	486.36	May	481.20	451.28	620.54	May	419.67	407.33	433.15
443.56	546.89	494.06	June	483.07	450.58	616.40	June	417.91	402.80	443.66
442.24	548.05	472.65	July	473.30	448.11	600.66	July	431.04	406.75	431.38
449.86	566.46	486.99	August	481.85	452.35	616.40	August	422.99	410.80	438.65
447.62	559.68	494.38	September	485.41	464.88	629.31	September	420.33	417.40	441.34
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
451.02	585.98	513.94	March	508.46	459.82	651.33	March	432.64	413.32	438.96

[*] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	4,492.9	4,467.2	4,374.5	25.7	118.5
MANUFACTURING	1,093.0	1,096.0	1,110.0	- 3.0	- 17.0
Durable Goods[e]	739.2	742.4	757.2	- 3.2	- 18.0
Lumber and wood products	18.6	18.3	17.2	.2	1.4
Furniture and fixtures	14.6	14.4	14.6	.2	.0
Stone, clay, and glass products	47.7	47.9	48.2	- .1	- .5
Glass and glassware, pressed or blown	10.8	10.8	11.1	- .1	- .4
Primary metal industries	96.5	95.5	99.0	1.0	- 2.5
Blast furnace and basic steel products	44.3	43.5	44.6	.8	- .3
Iron and steel foundries	19.6	19.5	21.2	.1	- 1.6
Nonferrous rolling and drawing	17.4	17.2	17.9	.2	- .5
Fabricated metal products	133.6	133.5	137.4	.2	- 3.7
Cutlery, hand tools, and hardware	10.2	10.1	11.0	.1	- .8
Fabricated structural metal products	28.4	28.0	28.4	.4	.0
Metal forgings and stampings	42.9	42.9	44.1	.0	- 1.1
Machinery, except electrical	153.7	154.1	160.7	- .3	- 6.9
Construction and related machinery	12.2	12.2	13.0	- .1	- .9
Metalworking machinery	39.1	39.4	41.7	- .3	- 2.6
Special industry machinery	16.9	16.9	17.3	.0	- .4
General industrial machinery	26.9	26.8	28.8	.0	- 2.0
Office and computing machines	13.3	13.2	13.6	.0	- .4
Refrigeration and service machinery	17.0	16.9	16.6	.1	.4
Electric and electronic equipment	89.2	89.8	89.0	- .6	.2
Electrical industrial apparatus	16.5	16.8	17.5	- .3	- 1.0
Household appliances	17.1	17.3	16.7	- .2	.4
Electric lighting and wiring equipment	17.8	17.7	18.0	.1	- .2
Communication equipment	10.6	10.6	10.6	.0	.0
Transportation equipment	149.4	153.6	154.3	- 4.2	- 4.9
Motor vehicles and equipment	94.8	98.4	99.3	- 3.6	- 4.5
Aircraft and parts	45.2	45.6	45.6	- .4	- .4
Instruments and related products	22.1	22.1	23.1	.0	- 1.0
Measuring and controlling devices	12.0	12.0	12.1	.0	- .1
Nondurable Goods[f]	353.8	353.6	352.8	.2	1.1
Food and kindred products	61.5	61.5	60.7	.1	.9
Meat products	9.7	9.7	9.4	.0	.3
Dairy products	10.2	10.2	9.6	.0	.7
Preserved fruits and vegetables	10.2	10.1	10.3	.1	- .1
Bakery products	8.7	8.5	8.4	.1	.3
Beverages	9.7	9.8	9.6	- .1	.1
Apparel and other textile products	16.2	16.2	16.2	.0	.0
Paper and allied products	37.3	37.1	37.3	.2	- .1
Misc. converted paper products	11.8	11.7	11.9	.1	.0
Paperboard containers and boxes	12.8	12.7	12.6	.1	.1
Printing and publishing	69.0	69.1	67.6	- .1	1.4
Newspapers	19.3	19.4	18.7	- .1	.6
Commercial printing	26.2	26.0	25.9	.2	.3
Chemicals and allied products	63.3	63.2	62.5	.1	.8
Industrial inorganic chemicals	10.1	10.1	9.9	.0	.2
Rubber and misc. plastics products	30.5	90.8	92.1	- .2	- 1.6
Tires and inner tubes	17.0	17.3	18.3	- .3	- 1.3
Miscellaneous plastics products	53.7	53.7	53.5	.0	.2

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3,399.9	3,371.2	3,264.5	28.7	135.4
MINING	20.6	20.7	23.1	- .1	- 2.5
Bituminous coal and lignite mining	9.7	9.8	10.2	- .1	- .5
Oil and gas extraction	6.7	6.9	8.8	- .2	- 2.1
CONSTRUCTION	145.4	139.6	133.9	5.8	11.5
General building contractors	39.9	37.7	35.2	1.2	3.7
Heavy construction contractors	15.0	13.6	13.6	1.4	1.3
Highway and street construction	6.1	5.3	4.7	.8	1.4
Special trade contractors	91.5	88.3	85.1	3.1	6.4
TRANSPORTATION AND PUBLIC UTILITIES	206.5	205.8	198.9	.7	7.5
Railroad transportation	14.0	14.1	15.3	- .1	- 1.3
Transportation, except railroads	98.7	97.8	93.7	.9	5.0
Trucking and warehousing	68.8	68.2	66.4	.6	2.3
Communication, electric, gas services	93.8	93.9	90.0	- .1	3.8
Communication	52.5	52.6	48.8	- .1	3.7
Electric, gas, and sanitary services	41.3	41.3	41.2	.0	.1
WHOLESALE TRADE	246.8	246.1	242.3	.7	4.5
Wholesale trade-durable goods	156.1	155.5	154.3	.6	1.8
Motor vehicles & automotive equipment	22.1	22.0	22.4	.0	- .3
Electrical goods	20.7	20.7	20.6	.0	.0
Machinery, equipment, and supplies	67.5	67.3	66.5	.2	1.0
Wholesale trade-nondurable goods	90.7	90.5	88.0	.2	2.7
Groceries and related products	29.0	28.8	27.6	.2	1.4
RETAIL TRADE	817.7	810.4	784.8	7.3	32.9
General merchandise stores	109.7	110.3	109.1	- .5	.6
Department stores	97.3	97.9	97.5	- .6	- .1
Food stores	128.7	128.2	125.0	.5	3.7
Automotive dealers & service stations	93.0	92.3	88.9	.8	4.2
Apparel and accessory stores	38.5	38.2	37.0	.3	1.5
Eating and drinking places	286.4	281.3	273.4	5.1	13.0
FINANCE, INSURANCE, AND REAL ESTATE	238.3	237.4	225.3	.9	13.0
Banking	62.3	62.3	60.9	.1	1.4
Credit agencies other than banks	38.1	37.9	35.2	.2	2.9
Insurance carriers	64.7	64.5	61.8	.2	2.9
Life insurance	24.0	24.0	23.4	.1	.7
Fire, marine, and casualty insurance	28.8	28.7	28.2	.1	.6
SERVICES	1,024.2	1,014.1	965.7	10.2	58.5
Hotels and other lodging places	32.4	32.0	31.4	.4	1.0
Personal services	57.3	56.8	54.2	.5	3.0
Laundry, cleaning, & garment services	18.3	18.1	17.6	.2	.6
Business services	203.3	200.6	180.5	2.6	22.8
Services to buildings	29.1	28.8	27.0	.3	2.1
Computer and data processing services	19.3	19.1	16.8	.2	2.5
Amusement and recreation services	31.2	29.0	29.8	2.2	1.5
Health services	354.1	352.9	337.2	1.1	16.9
Nursing and personal care facilities	77.8	77.6	74.2	.2	3.7
Hospitals	174.5	174.2	166.9	.3	7.6
Educational services	62.7	63.0	64.1	- .4	- 1.4
Colleges and universities	34.7	35.2	35.9	- .5	- 1.2
GOVERNMENT	700.5	697.2	690.5	3.2	10.0
Federal government	93.7	93.5	93.7	.2	.0
State government	157.4	156.0	153.0	1.4	4.4
State government education	84.9	83.8	83.2	1.1	1.7
State government, except education	72.4	72.2	69.8	.2	2.6
Local government	449.4	447.7	443.8	1.6	5.5
Local government education	266.3	265.3	261.6	1.1	4.7
Local government, except education	183.0	182.5	182.2	.6	.8

See footnotes on page 13

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$500.98	$499.05	$488.25	42.6	42.4	42.2	$11.76	$11.77	$11.57
Durable Goods[e]	523.74	520.88	512.48	43.0	42.8	42.6	12.18	12.17	12.03
Lumber and wood products	302.00	292.25	288.48	41.2	40.2	39.9	7.33	7.27	7.23
Furniture and fixtures	343.88	342.26	344.87	40.6	40.6	41.5	8.47	8.43	8.31
Stone, clay, and glass products	451.02	440.67	446.37	41.8	41.3	41.6	10.79	10.67	10.73
Glass and glassware, pressed or blown	457.25	460.08	475.45	40.5	40.5	42.3	11.29	11.36	11.24
Primary metal industries	585.98	590.46	550.78	43.6	43.9	41.6	13.44	13.45	13.24
Blast furnace and basic steel products	597.18	598.92	540.83	43.4	43.4	40.3	13.76	13.80	13.42
Iron and steel foundries	626.69	636.96	610.93	44.7	45.4	43.7	14.02	14.03	13.98
Nonferrous rolling and drawing	599.51	598.10	561.97	42.7	42.6	40.9	14.04	14.04	13.74
Fabricated metal products	513.94	510.27	506.32	42.9	42.7	42.8	11.98	11.95	11.83
Cutlery, hand tools, and hardware	473.22	476.77	508.41	39.8	40.2	41.2	11.89	11.86	12.34
Fabricated structural metal products	452.63	447.72	435.97	42.5	42.0	42.7	10.65	10.6[illegible]	10.21
Metal forgings and stampings	654.19	652.74	643.92	44.9	44.8	44.5	14.57	14.57	14.47
Machinery, except electrical	508.46	499.80	489.20	42.8	42.5	42.8	11.88	11.76	11.43
Construction and related machinery	423.52	413.71	399.60	41.4	40.6	40.0	10.23	10.19	9.99
Metalworking machinery	460.65	465.09	473.70	41.5	41.9	43.3	11.10	11.10	10.94
Special industry machinery	474.89	458.58	451.31	42.1	41.5	42.1	11.28	11.05	10.72
General industrial machinery	545.87	515.46	510.77	43.6	42.6	42.6	12.52	12.10	11.99
Office and computing machines	417.42	404.46	394.40	42.9	42.0	42.5	9.73	9.63	9.28
Refrigeration and service machinery	578.56	619.43	584.68	42.2	43.9	43.6	13.71	14.11	13.41
Electric and electronic equipment	459.82	457.47	459.80	41.5	41.4	41.8	11.08	11.05	11.00
Electrical industrial apparatus	444.80	443.36	451.41	41.3	40.9	41.0	10.77	10.84	11.01
Household appliances	482.45	483.21	461.62	41.2	41.8	40.6	11.71	11.56	11.37
Electric lighting and wiring equipment	473.30	479.55	455.81	41.3	41.7	41.4	11.46	11.50	11.01
Communication equipment	473.34	455.04	493.73	40.7	39.5	41.7	11.63	11.52	11.84
Transportation equipment	651.33	646.46	644.67	45.2	44.8	44.8	14.41	14.43	14.39
Motor vehicles and equipment	677.95	666.03	678.30	45.5	44.7	45.1	14.90	14.90	15.04
Aircraft and parts	591.40	612.41	564.77	44.6	45.6	44.4	13.26	13.43	12.72
Instruments and related products	368.74	369.15	362.50	40.7	40.7	40.1	9.06	9.07	9.04
Measuring and controlling devices	369.57	360.75	352.80	39.4	38.5	38.6	9.38	9.37	9.14
Nondurable Goods[f]	448.03	446.71	433.46	41.6	41.4	41.4	10.77	10.79	10.47
Food and kindred products	432.64	435.77	395.39	41.6	41.7	40.1	10.40	10.45	9.86
Meat products	379.96	383.22	363.31	41.8	41.7	40.1	9.09	9.19	9.06
Dairy products	458.34	465.24	440.96	42.4	42.8	42.4	10.81	10.87	10.40
Preserved fruits and vegetables	399.60	441.61	371.15	39.1	42.3	39.4	10.22	10.44	9.42
Bakery products	457.85	457.08	425.63	39.3	38.9	37.5	11.65	11.75	11.35
Beverages	403.97	386.71	390.06	40.6	39.3	39.4	9.95	9.84	9.90
Apparel and other textile products	283.75	276.29	273.33	39.3	37.9	37.7	7.22	7.29	7.25
Paper and allied products	498.18	492.40	473.00	44.8	44.4	44.0	11.12	11.09	10.75
Misc. converted paper products	454.71	450.24	431.74	45.2	44.8	44.1	10.06	10.05	9.79
Paperboard containers and boxes	430.29	436.13	402.69	42.9	42.8	41.6	10.03	10.19	9.68
Printing and publishing	413.32	420.53	408.67	38.2	38.3	38.7	10.82	10.98	10.56
Newspapers	356.70	357.76	333.00	34.8	34.6	33.4	10.25	10.34	9.97
Commercial printing	406.24	417.59	412.85	38.8	39.1	40.2	10.47	10.68	10.27
Chemicals and allied products	529.61	527.07	515.10	41.8	41.6	42.5	12.67	12.67	12.12
Industrial inorganic chemicals	564.06	562.02	534.78	42.0	41.6	41.2	13.43	13.51	12.98
Rubber and misc. plastics products	438.96	433.82	438.60	42.7	42.2	43.0	10.28	10.28	10.20
Tires and inner tubes	638.73	637.91	622.89	45.3	45.5	45.7	14.10	14.02	13.63
Miscellaneous plastics products	421.60	416.07	426.13	42.5	41.9	43.0	9.92	9.93	9.91

See footnotes on page 13

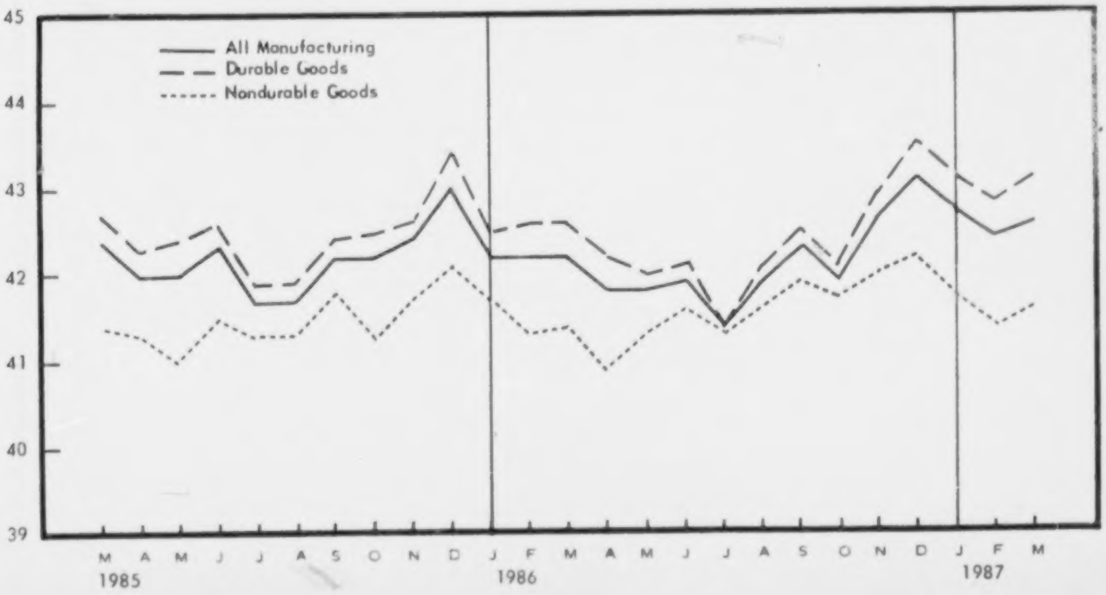
Ohio (continued)

Hours & Earnings of Production or Nonsupervisory Workers[a]

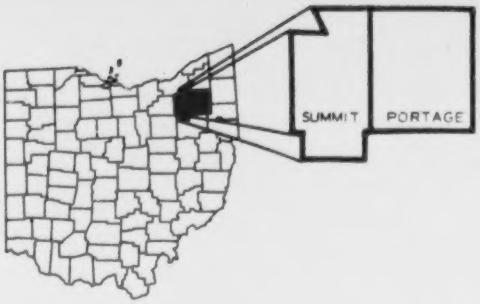
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MINING	$535.48	$545.93	$507.91	42.6	43.5	43.3	$12.57	$12.55	$11.73
Bituminous coal and lignite mining	641.76	654.84	614.66	41.7	42.8	42.1	15.39	15.30	14.60
CONSTRUCTION	557.57	549.29	574.93	38.4	37.7	37.7	14.52	14.57	15.25
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	532.93	530.00	529.10	40.1	40.0	40.7	13.29	13.25	13.00
Communication	519.03	518.64	519.30	39.5	39.5	40.1	13.14	13.13	12.95
Electric, gas, and sanitary services	549.98	545.38	541.99	40.8	40.7	41.5	13.48	13.40	13.06
WHOLESALE TRADE	367.22	365.33	360.89	38.9	38.7	39.1	9.44	9.44	9.23
Wholesale trade-durable goods	362.70	363.09	358.66	39.0	39.0	39.5	9.30	9.31	9.08
Wholesale trade-nondurable goods	374.62	370.74	363.47	38.7	38.3	38.3	9.68	9.68	9.49
RETAIL TRADE[h]	158.48	156.79	153.97	28.1	27.8	28.2	5.64	5.64	5.46
General merchandise stores	176.66	171.17	169.80	29.2	28.2	28.3	6.05	6.07	6.00
Department stores	181.92	175.91	174.05	29.2	28.1	28.3	6.23	6.26	6.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	255.38	254.65	245.33	....	....	....	.....	.....	.....
Credit agencies other than banks	248.57	245.39	237.98	....	....	....	.....	.....	.....
Insurance carriers	341.39	345.59	319.11	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	324.36	324.05	312.96	33.2	33.1	33.4	9.77	9.79	9.37

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [h]Money payments only, tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



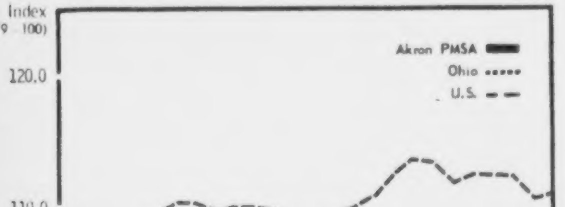
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



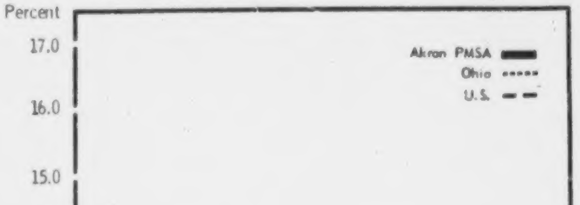
Nonagricultural wage and salary employment for the Akron metropolitan area totaled 260,700 in March, an increase of 1,500 from February. Manufacturing employment was reduced by 400, to 65,700, due primarily to losses in rubber and miscellaneous plastics products. Employment in nonmanufacturing recorded a sizable gain of 1,900. Seasonal increases in services, retail trade, and construction contributed to the growth. Manufacturing production workers averaged a 43.1 hour workweek, up .6 hours from February. Their average hourly earnings rose $.07 from last month, to $11.53.

Nonfarm wage and salary employment registered an increase of 4,700 over the year. Retail trade led all nonmanufacturing industries with a growth of 2,200 jobs, although advancements were also noted in services, construction, and government. Deep reductions in tires and inner tubes contributed to the loss of 900 jobs in manufacturing.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



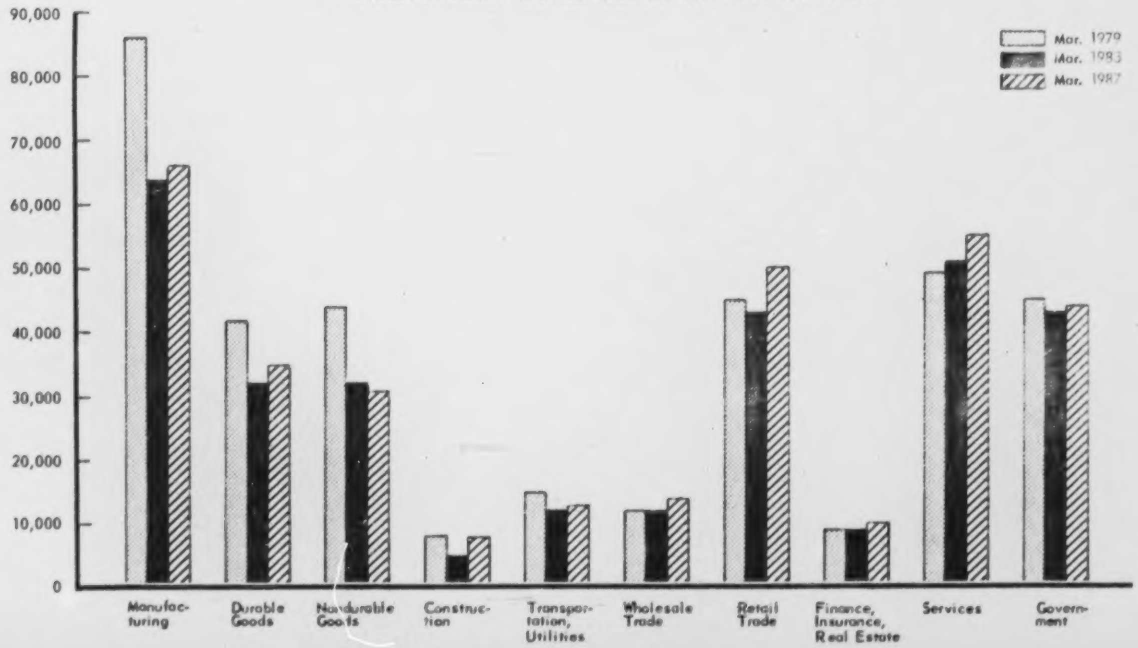
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.9	290.0	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
321.6	292.1	29.6	9.2	February	254.6	66.6	36.2	479.70	43.1	11.13
322.3	296.2	26.1	8.1	March	256.0	66.7	36.2	485.90	43.5	11.17
320.2	294.2	26.1	8.1	April	259.0	67.1	36.5	476.87	43.0	11.09
317.3	293.7	23.6	7.4	May	262.0	67.2	36.5	475.58	43.0	11.06
318.0	291.7	26.3	8.3	June	259.8	67.5	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.1	288.8	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.40
INA	INA	INA	INA	March	260.7	65.7	35.8	496.94	43.1	11.53

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	260.7	259.2	256.0	1.5	4.7
MANUFACTURING	65.7	66.2	66.7	- .4	- .9
Durable Goods[e]	34.5	34.5	34.9	.0	- .4
Fabricated metal products	12.7	12.7	13.0	- .1	- .3
Machinery, except electrical	9.1	9.1	9.5	.0	- .4
Metalworking machinery	3.0	3.0	3.1	.0	- .1
Nondurable Goods[f]	31.2	31.6	31.7	- .4	- .5
Food and kindred products	2.7	2.7	2.7	.0	.0
Chemicals and allied products	2.9	2.9	2.8	.0	.2
Rubber and misc. plastics products	19.9	20.4	21.0	- .5	- 1.0
Tires and inner tubes	12.8	13.1	14.1	- .3	- 1.3
NONMANUFACTURING[g]	195.0	193.0	189.3	1.9	5.7
CONSTRUCTION	7.9	7.6	7.1	.3	.8
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.0	12.9	.1	.3
Communication, electric, gas services	5.4	5.4	5.3	.0	.1
WHOLESALE TRADE	13.7	13.6	13.4	.1	.3
RETAIL TRADE	50.2	49.7	48.0	.5	2.2
General merchandise stores	6.3	6.4	6.4	- .1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	10.2	10.2	9.7	.0	.5
Banking	3.1	3.1	3.1	.0	.0
SERVICES	55.2	54.6	54.3	.6	.9
Business services	10.6	10.5	10.3	.1	.3
Amusement and recreation services	2.2	2.2	2.4	.1	- .1
Health services	17.7	17.6	17.7	.1	- .1
GOVERNMENT	43.9	43.7	43.2	.3	.8
State government	15.8	15.6	15.2	.2	.6
State government education	12.9	12.7	12.3	.2	.6
State government, except education	2.8	2.9	2.9	.0	.0
Local government	25.8	25.7	25.7	.1	.1
Local government education	14.5	14.4	14.3	.0	.2
Local government, except education	11.3	11.3	11.4	.0	.0

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

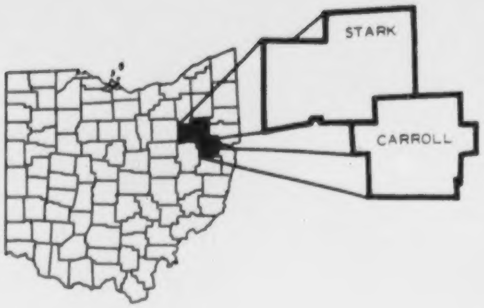
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$496.94	$487.05	$485.90	43.1	42.5	43.5	$11.53	$11.46	$11.17
Durable Goods[e]	525.16	513.75	504.95	43.8	43.1	44.1	11.99	11.92	11.45
Fabricated metal products	661.28	656.94	634.34	45.7	45.4	45.9	14.47	14.47	13.82
Machinery, except electrical	466.96	441.37	440.83	44.9	43.7	44.8	10.40	10.10	9.84
Metalworking machinery	456.13	457.41	471.11	44.5	44.8	47.3	10.25	10.21	9.96
Nondurable Goods[f]	453.60	448.03	456.67	42.0	41.6	42.6	10.80	10.77	10.72
Food and kindred products	435.49	438.07	437.00	40.7	40.6	39.8	10.70	10.79	10.98
Chemicals and allied products	450.32	470.68	450.85	40.1	41.0	41.4	11.23	11.48	10.89
Rubber and misc. plastics products	482.65	471.23	492.83	43.6	42.8	44.6	11.07	11.01	11.05
Tires and inner tubes	698.17	694.19	696.92	46.7	47.0	48.6	14.95	14.77	14.34
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	535.34	537.34	536.43	40.1	40.1	40.7	13.35	13.40	13.18
WHOLESALE TRADE	311.25	318.28	331.49	37.5	37.8	38.5	8.30	8.42	8.61
RETAIL TRADE[h]	195.94	196.55	180.60	31.4	31.1	29.9	6.24	6.32	5.04

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	2,726	2,465	2,996
Active File of Job Seekers	21,145	21,290	26,917
Referrals to Jobs	1,281	980	1,175
Placements	173	185	241
Job Openings Received	1,237	425	752
Job Openings Unfilled	1,400	519	892
Unemployment Insurance Program			
Initial Claims	3,217	3,443	3,155
Continued Claims	39,601	39,189	40,242
First Payments	1,664	2,535	1,758
Last Payments	416	393	497
Weeks Compensated	31,820	32,374	33,888
Benefits Paid	$4,756,988	$4,841,878	$5,024,687
Average Weekly Payment	$152.45	$152.38	$151.53

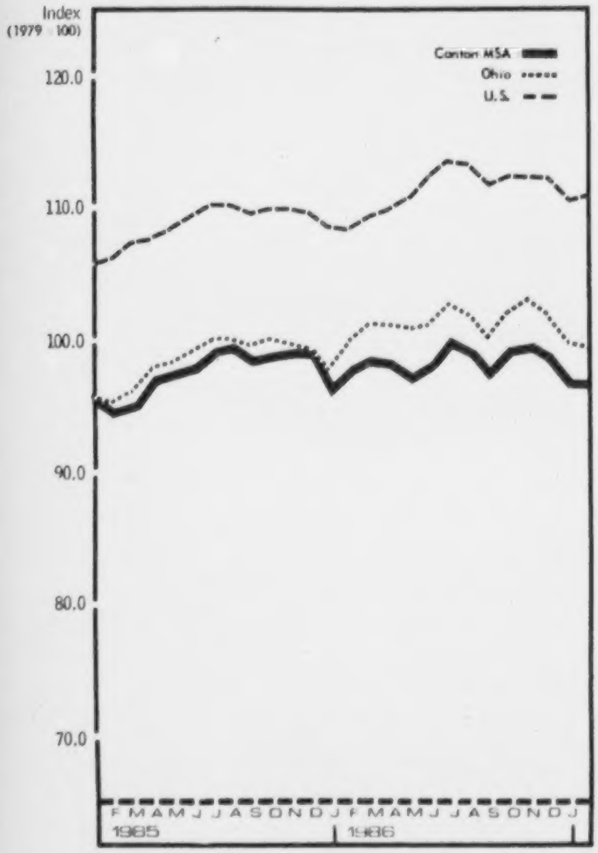
CANTON
METROPOLITAN
STATISTICAL
AREA



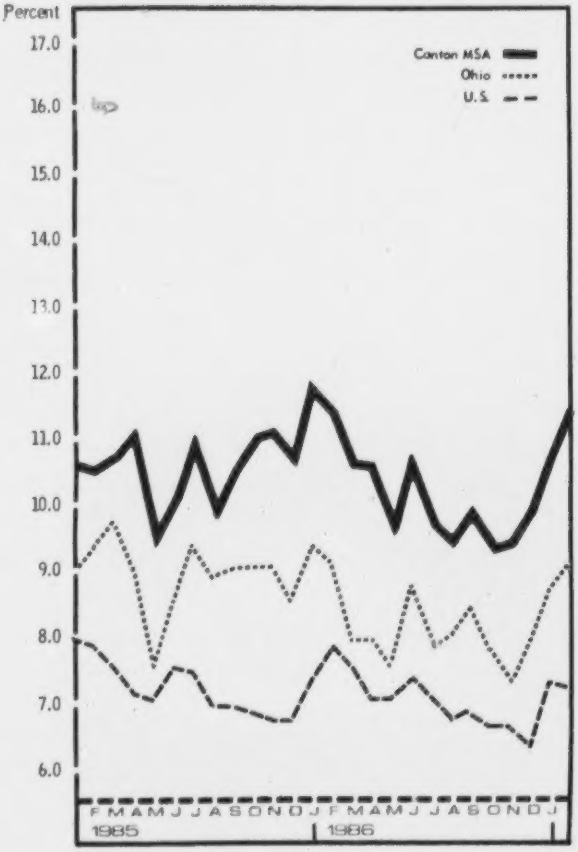
Nonagricultural wage and salary employment for the Canton area totaled 151,800 in March, up 600 from February. Nonmanufacturing employment increased 900, due to scattered gains in construction, services, retail trade, and government. Employment declined 300 in manufacturing, to 42,700. Production workers in manufacturing averaged a 42.1 hour workweek, up slightly from the previous month. Average hourly earnings rose $.05 from February, to $11.40.

Nonagricultural wage and salary employment advanced 2,800 since March 1986. Drastic reductions in durable-goods industries accounted for the loss of 1,300 manufacturing jobs. Increases in retail trade, services, and construction more than offset losses in manufacturing employment as nonmanufacturing advanced 4,200.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



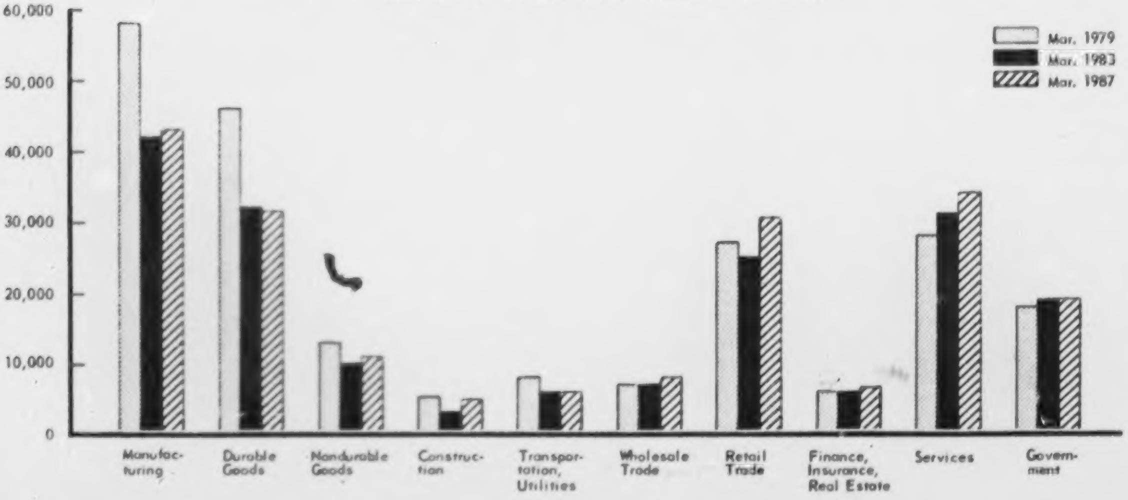
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.6	169.6	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
191.9	170.0	21.9	11.4	February	149.0	44.4	31.8	449.65	40.4	11.13
191.7	171.4	20.2	10.6	March	149.0	44.0	31.3	447.12	40.1	11.15
190.6	170.7	19.9	10.5	April	151.1	44.0	31.4	442.89	39.9	11.10
188.2	170.1	18.0	9.6	May	152.6	44.2	31.6	444.09	39.9	11.13
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.5	167.9	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
INA	INA	INA	INA	March	151.8	42.7	30.0	479.94	42.1	11.40

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	151.8	151.2	149.0	.6	2.8
MANUFACTURING	42.7	42.9	44.0	- .3	- 1.3
Durable Goods[e]	31.5	31.7	32.8	- .2	- 1.3
Primary metal industries	10.1	10.1	10.3	.0	- .2
Fabricated metal products	6.6	6.6	7.0	- .1	- .5
Metal forgings and stampings	2.2	2.3	2.5	.0	- .3
Nondurable Goods[f]	11.2	11.2	11.2	.0	.0
Food and kindred products	3.8	3.7	3.6	.0	.2
Rubber and misc. plastics products	2.7	2.7	2.9	.0	- .2
NONMANUFACTURING[g]	109.2	108.3	105.0	.9	4.2
CONSTRUCTION	5.0	4.6	4.3	.3	.7
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.9	5.7	.1	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	- .1
WHOLESALE TRADE	8.0	7.9	7.9	.1	.1
Wholesale trade-durable goods	4.5	4.5	4.4	.0	.1
RETAIL TRADE	30.5	30.3	28.8	.1	1.7
General merchandise stores	3.7	3.7	3.5	.0	.2
Food stores	5.1	5.1	4.9	- .1	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.3	.0	.2
Banking	1.9	1.9	1.9	.0	.0
SERVICES	33.7	33.4	32.4	.2	1.2
Health services	14.6	14.6	13.9	.0	.7
GOVERNMENT	18.6	18.6	18.5	.1	.2
State government (includes education)	1.7	1.7	1.7	.0	.1
Local government	15.5	15.4	15.4	.1	.1
Local government education	9.5	9.5	9.3	.0	.2
Local government, except education	6.0	6.0	6.1	.0	- .1

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

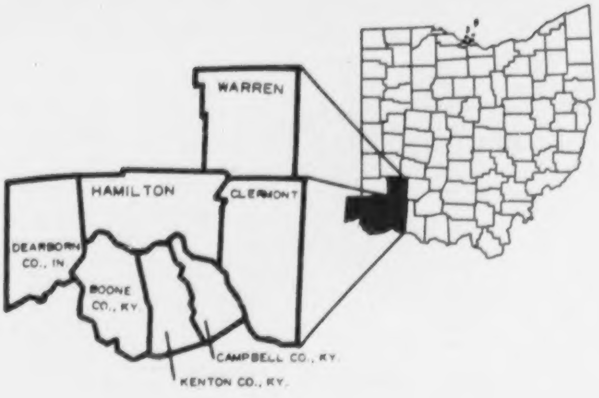
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$479.94	$476.70	$447.12	42.1	42.0	40.1	$11.40	$11.35	$11.15
Durable Goods[e]	505.24	503.33	468.59	42.6	42.8	40.5	11.86	11.76	11.57
Primary metal industries	573.30	582.94	472.12	44.1	45.4	37.8	13.00	12.84	12.49
Fabricated metal products	478.67	474.37	545.68	41.3	41.0	43.9	11.59	11.57	12.43
Metal forgings and stampings	609.82	608.61	691.36	41.4	41.8	43.4	14.73	14.56	15.93
Nondurable Goods[f]	405.19	398.80	379.08	40.6	39.8	38.8	9.98	10.02	9.77
Food and kindred products	434.70	435.07	397.95	41.4	41.2	38.9	10.50	10.56	10.23
Rubber and misc. plastics products	427.74	422.50	434.72	42.1	41.3	41.6	10.16	10.23	10.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	524.71	520.90	508.13	40.3	40.1	40.2	13.02	12.99	12.64
WHOLESALE TRADE	361.01	350.28	341.28	36.8	36.0	36.0	9.81	9.73	9.48
RETAIL TRADE[h]	151.48	150.64	154.78	28.0	28.0	28.4	5.41	5.38	5.45

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	1,609	1,474	1,504
Active File of Job Seekers	15,933	18,141	20,687
Referrals to Jobs	1,116	824	814
Placements	115	117	242
Job Openings Received	355	242	364
Job Openings Unfilled	388	353	288
Unemployment Insurance Program			
Initial Claims	2,316	2,559	3,197
Continued Claims	29,184	28,255	32,836
First Payments	1,014	1,882	1,613
Last Payments	372	302	453
Weeks Compensated	22,495	23,392	28,207
Benefits Paid	$3,307,791	$3,456,963	$4,209,633
Average Weekly Payment	$151.18	$151.71	$152.81

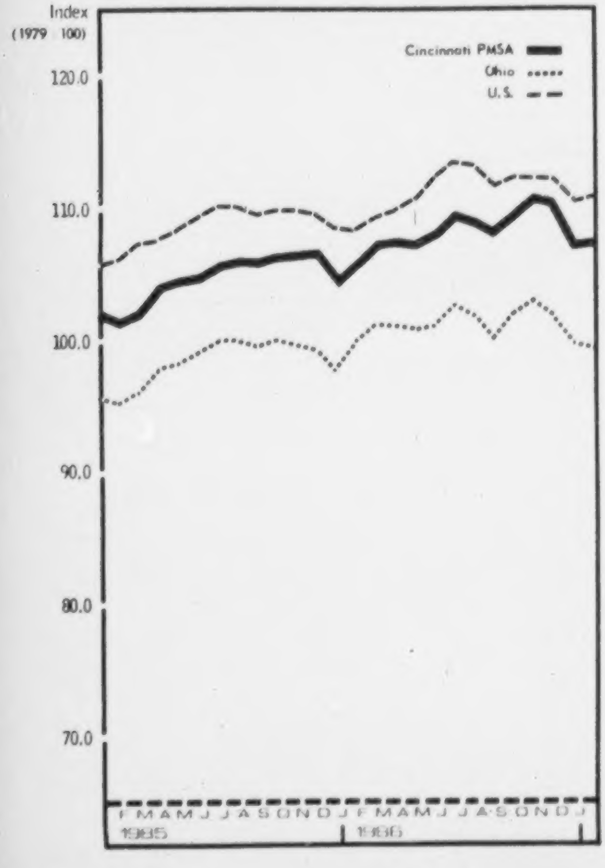
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



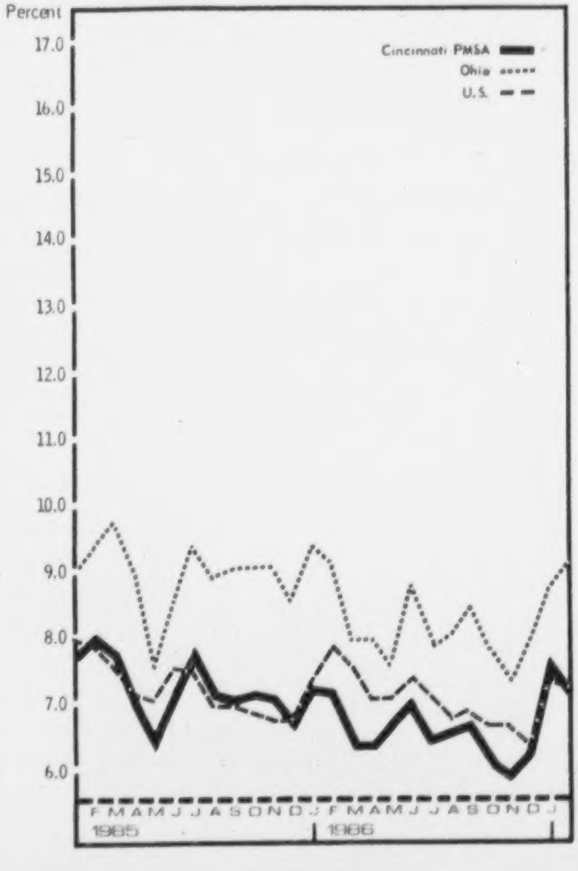
Nonfarm wage and salary employment in the Cincinnati area was 656,700 in March, up 1,600 from February. Nonmanufacturing employment increased 5,000, with seasonal gains in services, construction, and retail trade. Manufacturing decreased 3,400, to 143,800, due to temporary shutdowns in motor vehicles and equipment. Manufacturing production workers worked an average of 42.4 hours per week, unchanged from February. Their average hourly earnings were $10.86, down $.16.

Since March 1986, nonfarm employment rose 23,500. Although all nonmanufacturing industries recorded gains, significant growth was noted in services, especially business and health services; retail trade; and construction. Manufacturing was down 3,200, with significant losses in motor vehicles and equipment, metalworking machinery, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



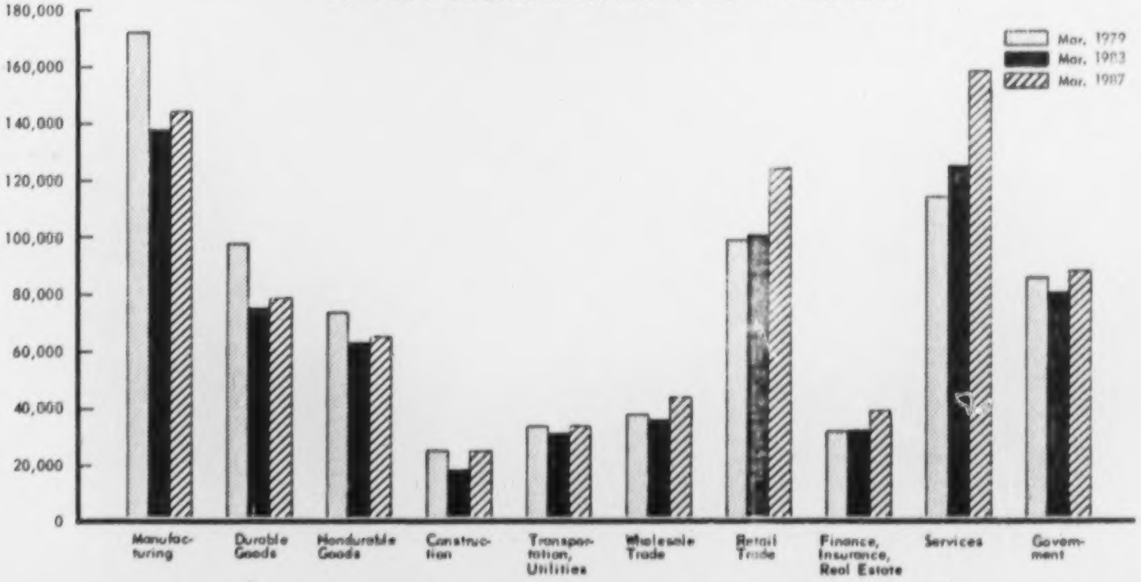
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
709.0	657.5	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
717.0	666.1	51.0	7.1	February	629.5	147.8	95.8	445.21	41.3	10.78
720.2	674.8	45.5	6.3	March	633.2	147.0	94.8	449.35	41.8	10.75
721.9	676.4	45.5	6.3	April	644.9	147.0	94.4	441.74	41.4	10.67
721.6	673.3	48.3	6.7	May	649.0	144.2	91.8	444.56	41.9	10.61
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
725.0	673.4	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
INA	INA	INA	INA	March	656.7	143.6	91.4	460.46	42.4	10.86

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	656.7	655.2	633.2	1.6	23.5
MANUFACTURING	143.8	147.2	147.0	- 3.4	- 3.2
Durable Goods[e]	78.0	81.6	82.2	- 3.7	- 4.2
Fabricated metal products	10.9	10.8	10.8	.1	.1
Fabricated structural metal products	4.1	4.1	3.9	.0	.2
Machinery, except electrical	19.7	19.9	21.4	- .2	- 1.7
Metalworking machinery	8.2	8.3	9.4	- .1	- 1.2
General industrial machinery	2.7	2.7	2.9	.0	- .3
Electric and electronic equipment	6.9	7.2	7.9	- .3	- 1.0
Transportation equipment	25.7	29.0	27.6	- 3.3	- 1.9
Motor vehicles and equipment	5.1	8.4	8.7	- 3.3	- 3.6
Nondurable Goods[f]	65.9	65.6	64.8	.2	1.0
Food and kindred products	12.9	12.9	12.7	.0	.2
Beverages	3.7	3.7	3.8	- .1	- .1
Apparel and other textile products	3.6	3.4	3.5	.1	.1
Paper and allied products	6.5	6.5	6.1	.0	.5
Printing and publishing	13.2	13.1	12.7	.1	.4
Commercial printing	5.7	5.6	5.6	.1	.1
Chemicals and allied products	22.2	22.1	21.9	.1	.3
Rubber and misc. plastics products	5.4	5.4	5.5	.1	- .1
NONMANUFACTURING[g]	512.9	508.0	486.2	5.0	26.7
CONSTRUCTION	25.3	24.1	22.5	1.2	2.8
TRANSPORTATION AND PUBLIC UTILITIES	33.9	33.9	33.0	.0	.9
Trucking and warehousing	9.1	9.1	9.0	.0	.1
Communication, electric, gas services	15.2	15.3	14.7	- .1	.5
WHOLESALE TRADE	44.2	44.1	41.8	.1	2.4
Wholesale trade-durable goods	26.5	26.4	25.1	.1	1.5
RETAIL TRADE	123.8	122.9	117.4	1.0	6.5
General merchandise stores	18.7	18.6	18.0	.1	.7
FINANCE, INSURANCE, AND REAL ESTATE	39.2	38.9	36.6	.3	2.5
Banking	8.2	8.2	8.0	.0	.2
Insurance carriers	12.9	12.7	12.0	.1	.9
SERVICES	158.2	156.3	148.4	1.8	9.8
Hotels and other lodging places	6.2	6.1	5.8	.2	.5
Personal services	8.5	8.4	8.0	.1	.5
Business services	36.7	36.2	33.2	.4	3.5
Amusement and recreation services	6.4	5.9	5.7	.5	.7
Health services	50.6	50.4	47.9	.1	2.7
Hospitals	24.3	24.2	23.2	.1	1.1
GOVERNMENT	88.1	87.5	86.2	.6	1.8
Federal government	14.7	14.5	14.5	.2	.2
State government	19.7	19.6	19.7	.1	.0
State government education	11.8	11.7	12.1	.1	- .4
State government, except education	7.9	7.9	7.6	.0	.3
Local government	53.7	53.4	52.0	.2	1.6
Local government education	32.3	32.2	30.5	.0	1.7
Local government, except education	21.4	21.2	21.5	.2	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$460.46	$467.25	$449.35	42.4	42.4	41.8	$10.86	$11.02	$10.75
Durable Goods[e]	460.75	476.62	450.66	42.9	42.9	42.0	10.74	11.11	10.73
Fabricated metal products	411.84	401.95	394.28	42.9	42.4	41.9	9.60	9.48	9.41
Fabricated structural metal products	416.37	396.77	428.48	42.1	40.2	43.5	9.89	9.87	9.85
Machinery, except electrical	414.40	416.94	426.43	42.2	42.2	42.9	9.82	9.88	9.94
Metalworking machinery	448.37	466.13	475.64	42.1	43.2	44.0	10.65	10.79	10.81
General industrial machinery	422.86	415.42	401.45	44.7	44.1	43.4	9.46	9.42	9.25
Electric and electronic equipment	347.27	335.62	366.54	41.0	38.4	41.0	8.47	8.74	8.94
Transportation equipment	679.11	686.49	622.06	46.9	46.7	43.9	14.48	14.70	14.17
Motor vehicles and equipment	784.74	678.46	678.22	49.2	43.8	43.7	15.95	15.49	15.52
Nondurable Goods[f]	461.16	457.97	448.45	42.0	41.9	41.6	10.98	10.93	10.78
Food and kindred products	472.51	490.60	443.36	42.8	44.0	40.9	11.04	11.15	10.84
Beverages	510.88	544.87	486.41	41.3	43.8	40.5	12.37	12.44	12.01
Apparel and other textile products	217.34	218.50	215.34	38.4	38.2	38.8	5.66	5.72	5.55
Paper and allied products	447.55	425.52	390.83	43.2	41.8	40.5	10.36	10.18	9.65
Printing and publishing	447,93	472.12	447.82	39.5	40.7	39.7	11.34	11.60	11.28
Commercial printing	489.60	532.22	511.80	42.5	44.8	42.9	11.52	11.88	11.93
Chemicals and allied products	545.69	515.41	546.80	42.9	41.2	43.5	12.72	12.51	12.57
Rubber and misc. plastics products	409.94	404.40	418.97	44.9	44.1	46.5	9.13	9.17	9.01
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	519.03	517.72	520.59	39.5	39.4	40.2	13.14	13.14	12.95
WHOLESALE TRADE	382.99	374.80	376.81	40.4	40.0	40.3	9.48	9.37	9.35
RETAIL TRADE[h]	160.46	158.48	157.54	28.5	28.1	28.8	5.63	5.64	5.47
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	255.15	259.47	252.49	....	....	....	.....	.....	.....

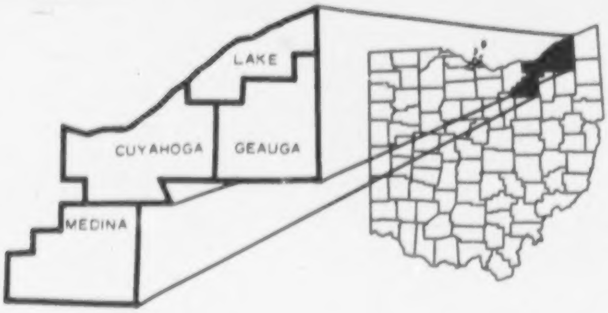
[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products [g] Includes mining [h] Money payments only, tips not included [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education [j] Depressed due to labor-management disputes

Selected Administrative Program Activities[a]

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	3,313	3,594	4,558
Active File of Job Seekers	24,055	25,582	31,011
Referrals to Jobs	2,016	2,127	2,440
Placements	366	428	674
Job Openings Received	1,215	900	1,438
Job Openings Unfilled	1,873	1,482	1,749
Unemployment Insurance Program			
Initial Claims	8,768	5,662	5,452
Continued Claims	61,373	54,283	53,033
First Payments	2,495	4,015	2,934
Last Payments	646	715	772
Weeks Compensated	49,471	45,434	45,769
Benefits Paid	$7,558,136	$6,569,897	$6,558,019
Average Weekly Payment	$155.31	$147.21	$145.63

[a] Ohio data only

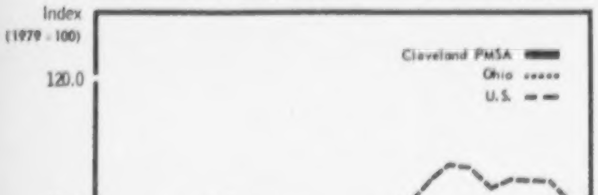
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



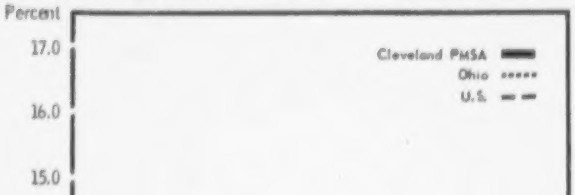
Nonagricultural wage and salary employment in the Cleveland area advanced 4,800 from February, to 880,800. The increase was concentrated in the nonmanufacturing sector as manufacturing employment remained unchanged, at 203,600. Nonmanufacturing employment increased 4,800, to 677,200. Seasonal expansion in business services, amusement and recreation services, retail trade, and construction contributed most to the gain. The average workweek of factory production workers was .7 hours longer, at 43.0 hours. Their average hourly earnings declined slightly, to $11.66.

Since March 1986, nonfarm employment increased 20,100. Nearly all nonmanufacturing industries recorded gains, with significant growth in services, especially health services and business services; retail trade; and finance, insurance, and real estate. Manufacturing employment declined 2,000 over the period. Reductions in instruments and related products, nonelectrical machinery, and electric and electronic equipment overshadowed gains in printing and publishing and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



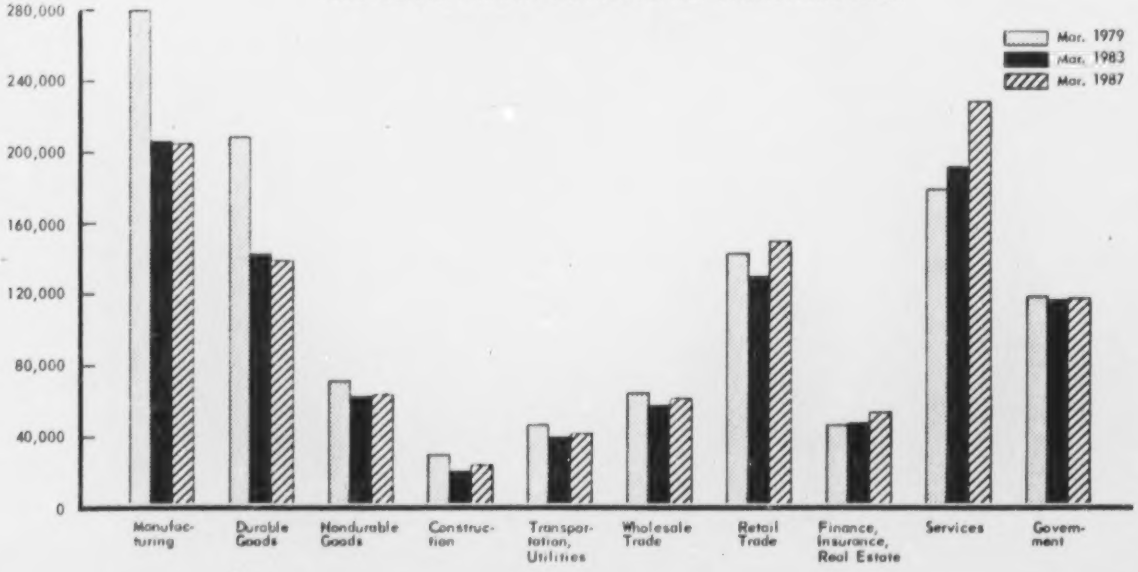
Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.3	849.5	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
930.3	855.3	75.0	8.1	February	857.0	205.5	132.5	477.24	41.9	11.39
932.5	866.1	66.5	7.1	March	860.7	205.6	132.7	487.60	42.4	11.50
929.7	862.1	67.6	7.3	April	874.0	206.3	133.3	479.76	41.9	11.45
919.8	857.4	62.4	6.8	May	880.6	206.1	133.2	472.69	41.5	11.39
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
922.1	848.8	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
INA	INA	INA	INA	March	880.8	203.6	130.3	501.38	43.0	11.66

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	880.8	876.0	860.7	4.8	20.1
MANUFACTURING	203.6	203.6	205.6	.0	-2.0
Durable Goods[e]	138.9	139.0	142.3	-.1	-3.3
Primary metal industries	21.1	21.2	21.6	-.1	-.5
Iron and steel foundries	5.4	5.4	5.6	.0	-.2
Fabricated metal products	32.2	32.1	32.4	.1	-.2
Fabricated structural metal products	3.6	3.7	3.6	-.1	.0
Screw machine products, bolts, etc	4.7	4.7	4.7	.0	-.1
Metal forgings and stampings	11.3	11.3	11.2	.0	.1
Machinery, except electrical	30.1	30.3	31.0	-.2	-.9
Construction and related machinery	2.5	2.5	2.5	.0	.0
Metalworking machinery	9.9	9.9	10.1	.0	-.1
Special industry machinery	3.5	3.5	3.4	.0	.1
General industrial machinery	2.8	2.8	2.9	.0	-.2
Electric and electronic equipment	19.1	19.2	19.9	-.1	-.8
Electrical industrial apparatus	6.6	5.6	7.0	.0	-.4
Transportation equipment	19.6	19.5	19.9	.1	-.3
Motor vehicles and equipment	12.5	12.4	12.6	.0	-.1
Instruments and related products	6.6	6.6	7.7	.0	-1.1
Measuring and controlling devices	4.2	4.3	4.2	.0	.0
Nondurable Goods[f]	64.7	64.6	63.4	.1	1.3
Food and kindred products	6.6	6.6	6.5	-.1	.1
Apparel and other textile products	4.2	4.3	4.5	.0	-.2
Paper and allied products	5.5	5.5	5.4	.0	.1
Printing and publishing	16.7	16.7	16.0	.1	.7
Chemicals and allied products	14.7	14.7	14.1	.0	.6
Rubber and misc. plastics products	12.0	11.9	11.8	.1	.2
NONMANUFACTURING[g]	677.2	672.4	655.1	4.8	22.1
CONSTRUCTION	22.9	21.9	22.4	.9	.5
TRANSPORTATION AND PUBLIC UTILITIES	41.0	40.8	40.7	.2	.3
Trucking and warehousing	11.8	11.6	11.2	.1	.5
Communication, electric, gas services	18.7	18.7	18.7	.0	.0
WHOLESALE TRADE	61.8	61.6	61.8	.2	.0
Wholesale trade-durable goods	42.8	42.7	43.2	.1	-.4
RETAIL TRADE	150.3	149.3	145.8	1.0	4.5
General merchandise stores	19.7	19.8	19.2	-.2	.4
FINANCE, INSURANCE, AND REAL ESTATE	53.6	53.3	50.4	.3	3.2
Banking	13.2	13.2	12.9	.0	.4
Credit agencies other than banks	9.0	9.0	8.1	.1	.9
Insurance carriers	12.9	12.9	12.2	.0	.7
SERVICES	229.1	227.4	216.9	1.7	12.3
Business services	51.4	51.0	47.7	.4	3.8
Amusement and recreation services	6.5	5.9	6.7	.6	-.2
Health services	73.6	73.6	69.4	.1	4.2
Hospitals	42.5	42.5	38.9	.0	3.6
GOVERNMENT	117.6	117.1	116.0	.5	1.6
Federal government	20.1	20.1	19.8	.0	.3
State government	8.4	8.3	8.1	.1	.2
State government education	3.3	3.2	3.2	.1	.2
State government, except education	5.1	5.1	5.0	.0	.1
Local government	89.1	88.7	88.1	.4	1.0
Local government education	44.0	43.5	43.6	.4	.4
Local government, except education	45.1	45.2	44.6	.0	.6

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

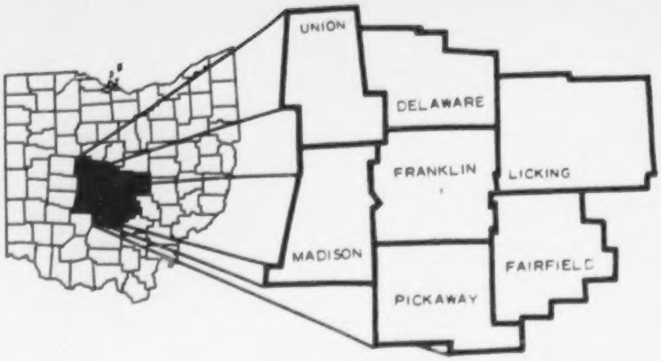
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]--	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$501.38	$493.64	$487.60	43.0	42.3	42.4	$11.66	$11.67	$11.50
Durable Goods[e]	536.72	529.76	522.52	43.6	43.0	42.9	12.31	12.32	12.18
Primary metal industries	644.94	639.85	584.22	46.1	45.9	42.8	13.99	13.94	13.65
Iron and steel foundries	858.00	856.80	842.36	50.5	50.4	50.2	16.99	17.00	16.78
Fabricated metal products	536.15	527.66	497.78	44.2	43.5	42.4	12.13	12.13	11.74
Fabricated structural metal products	386.10	370.00	364.65	40.9	40.0	39.0	9.44	9.25	9.35
Screw machine products, bolts, etc.	483.65	457.10	441.27	44.7	42.8	42.8	10.82	10.68	10.31
Metal forgings and stampings	682.93	685.88	654.40	46.3	46.5	45.1	14.75	14.75	14.51
Machinery, except electrical	486.07	459.79	477.12	42.6	41.2	42.6	11.41	11.16	11.20
Construction and related machinery	367.92	377.04	405.54	41.2	41.8	42.2	8.93	9.02	9.61
Metalworking machinery	409.05	407.78	409.24	40.3	39.9	40.2	10.15	10.22	10.18
Special industry machinery	472.03	461.23	464.30	39.5	38.5	40.8	11.95	11.98	11.38
General industrial machinery	496.57	455.28	445.00	44.1	42.0	42.1	11.26	10.84	10.57
Electric and electronic equipment	428.74	432.80	425.66	40.6	40.6	40.5	10.56	10.66	10.51
Electrical industrial apparatus	451.13	458.56	452.18	40.9	41.2	40.7	11.03	11.13	11.11
Transportation equipment	689.61	701.50	723.32	45.7	46.0	47.4	15.09	15.25	15.26
Motor vehicles and equipment	718.66	735.08	766.54	45.6	46.0	47.7	15.76	15.98	16.07
Instruments and related products	399.53	394.15	437.74	42.1	41.1	43.6	9.49	9.59	10.04
Measuring and controlling devices	415.52	395.81	419.99	42.4	39.9	42.9	9.80	9.92	9.79
Nondurable Goods[f]	416.25	406.81	399.49	41.5	40.6	41.1	10.03	10.02	9.72
Food and kindred products	397.06	388.88	366.53	43.3	42.5	40.5	9.17	9.15	9.05
Apparel and other textile products	321.59	314.73	285.77	40.3	39.0	37.7	7.98	8.07	7.58
Paper and allied products	456.54	465.19	444.44	42.0	42.6	42.9	10.87	10.92	10.36
Printing and publishing	418.95	405.70	414.85	38.9	37.6	39.1	10.77	10.79	10.61
Chemicals and allied products	493.00	486.68	476.30	42.5	42.1	42.3	11.60	11.56	11.26
Rubber and misc. plastics products	391.55	370.86	365.93	43.7	42.0	43.0	8.96	8.83	8.51
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	548.33	548.73	554.14	40.2	40.2	41.2	13.64	13.65	13.45
WHOLESALE TRADE	386.88	391.00	379.06	39.0	39.1	39.2	9.92	10.00	9.67
RETAIL TRADE[h]	178.84	177.18	172.50	27.9	27.3	27.6	6.41	6.49	6.25
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	291.08	287.97	283.96	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	336.16	334.95	328.68	32.7	32.3	33.2	10.28	10.37	9.90

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, stone, clay, and glass products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	8,145	7,812	6,496
Active File of Job Seekers	75,016	90,798	122,794
Referrals to Jobs	2,543	1,960	1,705
Placements	395	334	369
Job Openings Received	1,259	837	1,005
Job Openings Unfilled	1,989	1,662	1,878
Unemployment Insurance Program			
Initial Claims	7,333	7,959	7,776
Continued Claims	86,880	86,799	98,304
First Payments	3,696	5,196	4,337
Last Payments	1,213	1,182	1,531
Weeks Compensated	72,829	73,332	85,130
Benefits Paid	$10,993,448	$11,115,077	$12,914,826
Average Weekly Payment	$153.17	$153.88	$154.17

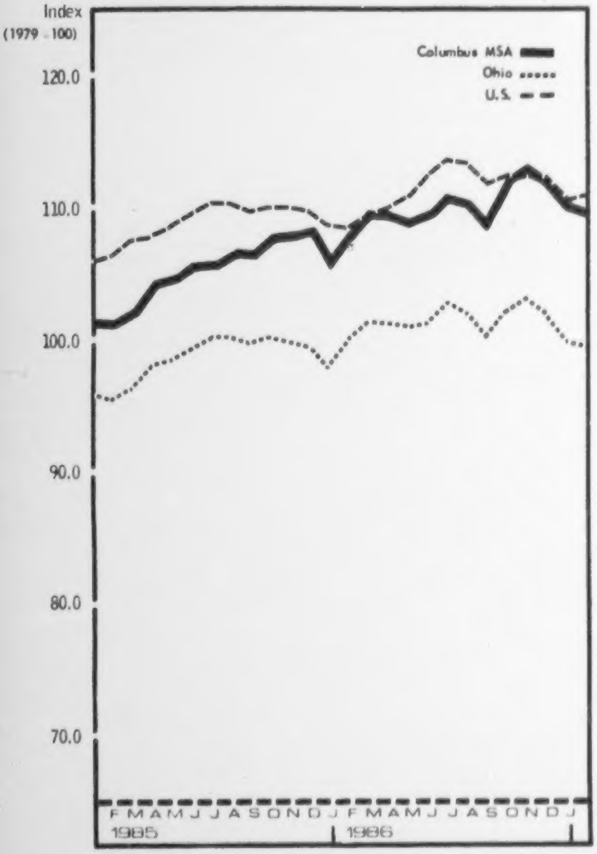
COLUMBUS
METROPOLITAN STATISTICAL AREA



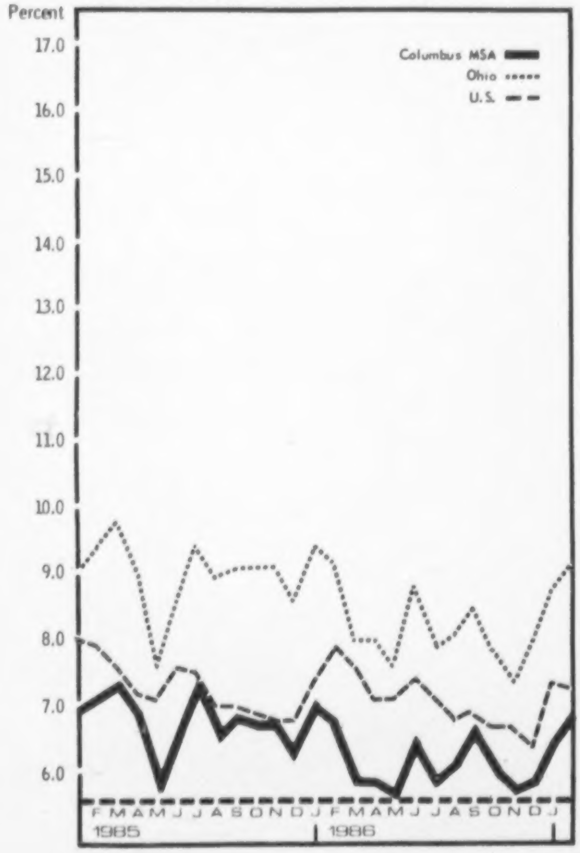
Nonagricultural wage and salary employment in the Columbus area was 642,300 in March, up 4,600 from February. Nonmanufacturing advanced 5,200, with seasonal gains in services, construction, and retail trade. Manufacturing employment, at 103,800, was 600 below the level for February, with declines in transportation equipment and stone, clay, and glass products. Manufacturing production workers earned an average of $11.46 per hour, up $.12. Their average workweek was 41.7 hours, up .8 hours.

Since March 1986, nonfarm employment rose 28,400. Although all nonmanufacturing industries recorded gains, significant growth was in services, especially business and health services; retail trade; finance, insurance, and real estate; and government. Manufacturing employment decreased 2,400, with losses in fabricated metal products; stone, clay, and glass products; and electric and electronic equipment. Nondurable-goods industries posted gains for the year, especially food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



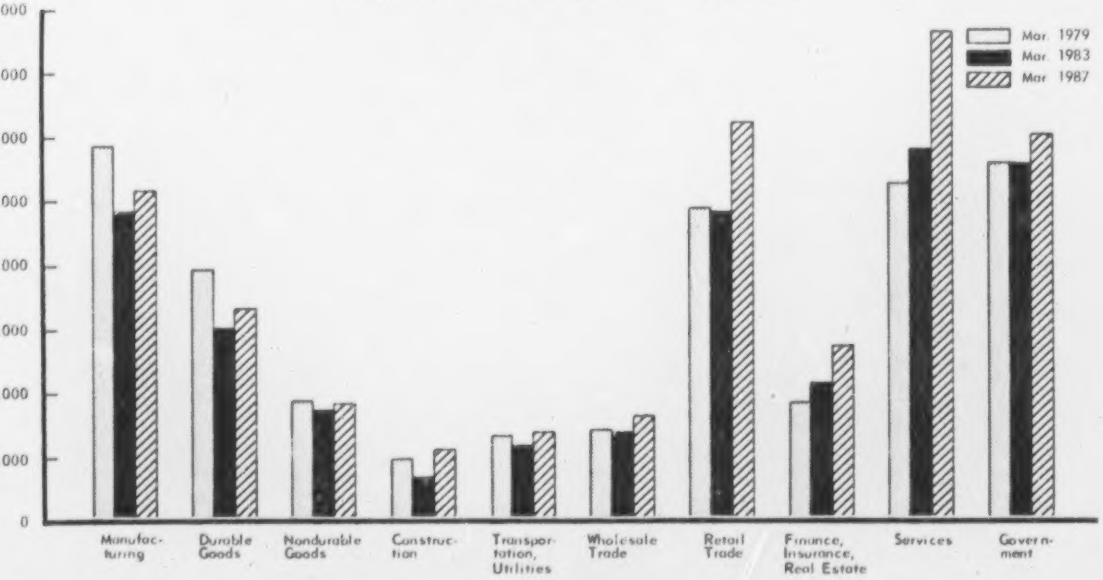
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.6	605.9	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
668.5	624.0	44.5	6.7	February	610.0	105.9	70.8	453.46	41.0	11.06
672.5	633.2	39.2	5.8	March	613.9	106.2	70.9	460.50	41.3	11.15
671.3	632.2	39.1	5.8	April	624.3	106.6	71.3	462.44	41.4	11.17
667.4	629.7	37.7	5.6	May	630.2	106.3	70.9	461.44	41.2	11.20
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.8	632.9	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
INA	INA	INA	INA	March	642.3	103.8	68.8	477.88	41.7	11.46

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	642.3	637.7	613.9	4.6	28.4
MANUFACTURING	103.8	104.4	106.2	- .6	- 2.4
Durable Goods[e]	67.0	67.4	70.1	- .4	- 3.1
Stone, clay, and glass products	10.9	11.0	11.5	- .2	- .7
Glass and glassware, pressed or blown	4.6	4.6	4.5	.0	.1
Fabricated metal products	9.4	9.4	10.5	.0	- 1.0
Fabricated structural metal products	2.8	2.8	3.1	.0	- .3
Machinery, except electrical	9.4	9.3	9.7	.0	- .3
Electric and electronic equipment	11.0	10.9	11.6	.1	- .6
Transportation equipment	15.2	15.6	15.7	- .4	- .5
Instruments and related products	4.1	4.0	4.2	.1	- .2
Nondurable Goods[f]	36.8	36.9	36.1	- .1	.7
Food and kindred products	10.1	10.1	9.8	.0	.4
Printing and publishing	9.8	9.8	9.5	.0	.2
Chemicals and allied products	7.0	7.0	7.0	.0	.1
Rubber and misc. plastics products	5.5	5.5	5.4	.0	.2
NONMANUFACTURING[g]	538.5	533.4	507.8	5.2	30.8
CONSTRUCTION	23.4	22.3	20.5	1.1	2.8
TRANSPORTATION AND PUBLIC UTILITIES	27.8	27.6	25.5	.3	2.4
Trucking and warehousing	11.1	10.9	10.1	.2	1.0
Communication, electric, gas services	12.2	12.2	11.4	.0	.8
WHOLESALE TRADE	32.6	32.4	31.6	.2	1.0
Wholesale trade-durable goods	21.3	21.2	20.5	.1	.8
RETAIL TRADE	124.9	124.1	119.6	.8	5.4
General merchandise stores	17.3	17.5	16.6	- .2	.7
FINANCE, INSURANCE, AND REAL ESTATE	55.3	55.1	51.8	.2	3.5
Banking	11.7	11.7	11.2	.0	.6
Insurance carriers	21.2	21.1	20.8	.1	.5
SERVICES	152.6	150.6	140.0	2.0	12.6
Business services	34.2	33.5	29.8	.7	4.3
Health services	39.4	39.2	37.5	.3	2.0
Hospitals	17.2	17.1	16.4	.1	.7
GOVERNMENT	121.0	120.5	117.8	.6	3.2
Federal government	15.5	15.5	15.6	.0	- .1
State government	53.7	53.4	51.7	.2	2.0
State government education[h]	23.6	23.4	22.8	.1	.8
State government, except education	30.1	30.0	28.9	.1	1.2
Local government	51.8	51.5	50.5	.3	1.3
Local government education	31.4	31.1	30.3	.3	1.0
Local government, except education	20.5	20.5	20.2	.0	.3

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$477.88	$463.81	$460.50	41.7	40.9	41.3	$11.46	$11.34	$11.15
Durable Goods[e]	491.49	474.78	475.27	41.9	41.0	41.4	11.73	11.58	11.48
Stone, clay, and glass products	479.16	443.13	490.88	41.2	38.6	41.6	11.63	11.48	11.80
Glass and glassware, pressed or blown	404.56	411.28	461.07	38.9	38.8	41.5	10.40	10.60	11.11
Fabricated metal products	493.29	492.44	514.98	40.6	40.9	41.1	12.15	12.04	12.53
Fabricated structural metal products	450.70	441.32	414.50	42.2	41.4	40.4	10.68	10.66	10.26
Machinery, except electrical	459.22	458.22	397.56	41.9	42.0	38.9	10.96	10.91	10.22
Electric and electronic equipment	443.69	437.98	456.55	39.9	39.6	40.8	11.12	11.06	11.19
Transportation equipment	608.84	562.87	543.84	45.2	43.0	44.0	13.47	13.09	12.36
Instruments and related products	424.35	423.95	395.76	41.4	41.2	40.8	10.25	10.29	9.70
Nondurable Goods[f]	450.85	440.78	427.22	41.4	40.7	41.0	10.89	10.83	10.42
Food and kindred products	442.08	438.04	401.20	41.2	40.9	40.0	10.73	10.71	10.03
Printing and publishing	489.59	486.86	491.57	38.1	37.8	39.9	12.85	12.88	12.32
Chemicals and allied products	546.13	542.30	525.82	42.6	42.6	43.1	12.82	12.73	12.20
Rubber and misc. plastics products	364.53	348.61	342.30	43.5	41.9	42.0	8.38	8.32	8.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	542.30	542.30	539.21	40.2	40.2	40.3	13.49	13.49	13.38
WHOLESALE TRADE	342.40	340.23	314.83	38.3	38.1	38.3	8.94	8.93	8.22
RETAIL TRADE[h]	167.48	166.04	165.23	28.1	28.0	28.1	5.96	5.93	5.88
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	255.09	258.31	233.34	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	320.15	320.76	309.03	33.7	33.8	33.7	9.50	9.49	9.17

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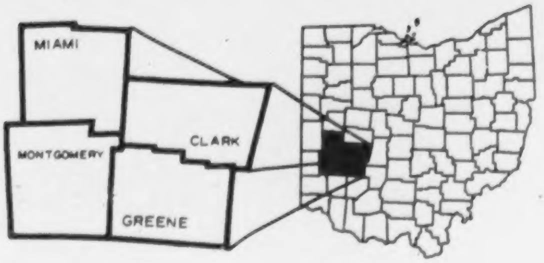
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
EMPLOYMENT SERVICE PROGRAM			
New Applicants	5,291	5,639	4,896
Active File of Job Seekers	37,475	40,238	44,631
Referrals to Jobs	2,870	2,314	2,166
Placements	576	514	467
Job Openings Received	2,258	1,295	1,530
Job Openings Unfilled	5,149	4,469	5,384
Unemployment Insurance Program			
Initial Claims	4,767	5,536	5,325
Continued Claims	53,126	53,364	52,585
First Payments	2,263	3,885	2,310
Last Payments	602	533	644
Weeks Compensated	44,067	45,784	45,611
Benefits Paid	$6,658,769	$6,864,213	$6,641,294
Average Weekly Payment	$153.94	$152.83	$148.22

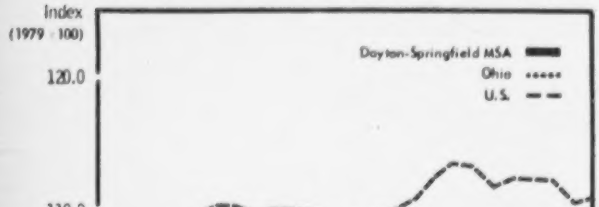
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



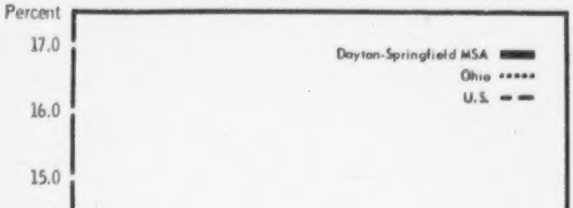
Dayton-Springfield nonagricultural wage and salary employment in March 1987 was 426,300, an increase of 2,500 from the previous month. Nonmanufacturing was up 2,600 over the month, with the largest increases occurring in construction, services, and retail trade. Manufacturing employment dropped 200, to 104,900 in March. Hourly earnings of factory production workers were down $.09, to $11.89. The average workweek, at 41.7 hours, was down .5 hours from February.

Nonagricultural employment rose 13,400 from March 1986. The increase occurred in nonmanufacturing, especially in services, retail trade, and construction. The number of manufacturing jobs declined 600 over the year, as losses were recorded in nonelectrical machinery and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



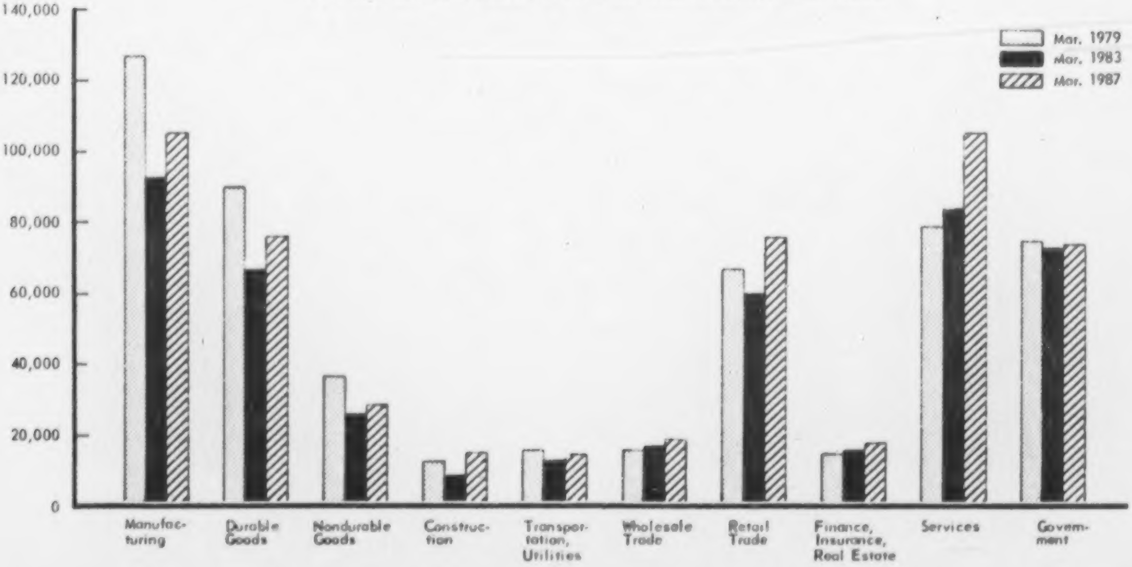
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.6	418.2	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
461.9	427.3	34.6	7.5	February	410.1	105.1	67.9	532.61	43.8	12.16
463.7	434.1	29.6	6.4	March	413.0	105.5	68.1	526.44	43.4	12.13
460.3	431.5	28.9	6.3	April	418.3	105.3	68.1	510.85	42.5	12.02
455.4	428.8	26.6	5.8	May	421.1	106.2	68.5	515.31	42.8	12.04
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
461.7	428.2	33.5	7.3	February	423.9	105.1	67.9	505.56	42.2	11.98
INA	INA	INA	INA	March	426.3	104.9	67.5	495.81	41.7	11.89

INA-Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	426.3	423.9	413.0	2.5	13.4
MANUFACTURING	104.9	105.1	105.5	- .2	- .6
Durable Goods[e]	75.9	75.9	76.1	.0	- .1
Fabricated metal products	8.3	8.3	8.2	.0	.0
Machinery, except electrical	30.4	30.5	32.0	- .1	- 1.6
Metalworking machinery	6.5	6.7	7.1	- .1	- .6
General industrial machinery	2.2	2.1	2.6	.1	- .4
Electric and electronic equipment	6.1	6.1	5.2	.0	.9
Electrical industrial apparatus	3.6	3.6	2.9	.1	.8
Transportation equipment	21.9	21.8	21.7	.1	.1
Nondurable Goods[f]	29.0	29.2	29.4	- .2	- .5
Food and kindred products	2.9	2.8	2.8	.1	.1
Paper and allied products	5.9	5.9	5.8	.0	.1
Printing and publishing	8.6	8.6	8.5	.0	.2
Rubber and misc. plastics products	7.7	8.0	8.6	- .3	- .9
NONMANUFACTURING[g]	321.4	318.8	307.5	2.6	13.9
CONSTRUCTION	14.9	14.0	12.1	.9	2.8
TRANSPORTATION AND PUBLIC UTILITIES	14.7	14.6	14.3	.1	.3
Communication, electric, gas services	5.8	5.8	5.8	.0	.0
WHOLESALE TRADE	18.8	18.8	18.7	.1	.1
Wholesale trade-durable goods	13.0	12.9	12.8	.1	.3
RETAIL TRADE	75.9	75.3	71.9	.6	4.0
General merchandise stores	11.2	11.3	11.3	- .1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	17.8	17.7	16.9	.1	.9
Banking	4.3	4.3	4.2	.0	.2
Credit agencies other than banks	4.6	4.6	4.3	.0	.2
Insurance carriers	2.8	2.8	2.9	.0	- .1
SERVICES	104.6	103.9	98.6	.7	6.0
Business services	25.2	25.1	22.5	.1	2.7
Health services	35.0	34.8	34.2	.1	.7
Hospitals	18.2	18.2	18.0	.0	.2
Educational services	7.5	7.6	7.8	- .1	- .3
GOVERNMENT	74.3	74.1	74.6	.2	- .3
Federal government	27.7	27.6	28.6	.1	- .9
State government	7.2	7.1	6.9	.1	.3
State government education	4.4	4.4	4.3	.1	.1
State government, except education	2.8	2.8	2.6	.0	.2
Local government	39.4	39.4	39.2	.0	.3
Local government education	25.1	25.1	25.0	- .1	.1
Local government, except education	14.4	14.3	14.2	.1	.2

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

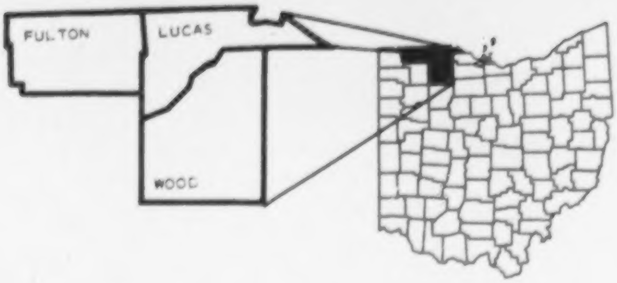
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$495.81	$505.56	$526.44	41.7	42.2	43.4	$11.89	$11.98	$12.13
Durable Goods[e]	504.99	516.06	540.13	41.7	42.3	43.7	12.11	12.20	12.36
Fabricated metal products	390.73	377.87	372.41	41.7	40.5	40.7	9.37	9.33	9.15
Machinery, except electrical	544.82	553.84	559.57	42.3	42.9	44.2	12.88	12.91	12.66
Metalworking machinery	510.62	508.37	541.02	42.2	42.9	46.4	12.10	11.85	11.66
General industrial machinery	446.20	394.75	405.20	41.2	38.4	40.0	10.83	10.28	10.13
Electric and electronic equipment	410.73	413.76	383.35	42.3	43.1	41.0	9.71	9.60	9.35
Electrical industrial apparatus	491.51	491.51	436.72	45.3	45.3	42.4	10.85	10.85	10.30
Transportation equipment	590.40	614.38	669.41	41.2	42.4	45.2	14.33	14.49	14.81
Nondurable Goods[f]	466.46	473.59	489.34	41.5	41.8	42.7	11.24	11.33	11.46
Food and kindred products	350.28	355.75	393.62	41.7	42.2	45.4	8.40	8.43	8.67
Paper and allied products	498.19	496.96	459.68	46.3	46.1	45.2	10.76	10.78	10.17
Printing and publishing	412.54	422.14	421.61	38.7	38.8	39.7	10.66	10.88	10.62
Rubber and misc. plastics products	567.20	570.04	623.42	40.0	40.4	42.7	14.18	14.11	14.60
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	514.56	512.99	535.70	39.1	39.1	40.4	13.16	13.12	13.26
WHOLESALE TRADE	395.75	399.37	371.70	40.3	40.3	39.5	9.82	9.91	9.41
RETAIL TRADE[h]	157.60	152.01	156.06	27.6	27.0	28.9	5.71	5.63	5.40
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	....	.....	.....
Hospitals	361.89	360.51	333.33	34.4	34.4	33.3	10.52	10.48	10.01

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	2,725	2,855	3,255
Active File of Job Seekers	24,061	25,685	25,451
Referrals to Jobs	1,709	1,312	1,164
Placements	268	304	217
Job Openings Received	828	723	756
Job Openings Unfilled	1,699	1,518	1,041
Unemployment Insurance Program			
Initial Claims	2,717	3,236	2,815
Continued Claims	34,498	34,746	37,321
First Payments	1,431	2,722	1,494
Last Payments	495	364	527
Weeks Compensated	28,784	31,081	33,408
Benefits Paid	$4,060,577	$4,403,600	$4,695,761
Average Weekly Payment	$143.93	$144.19	$142.92

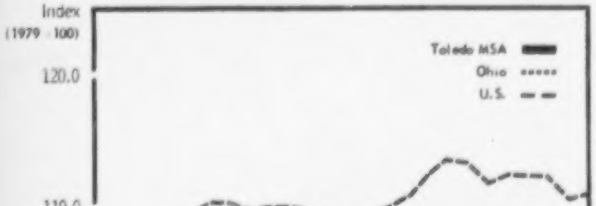
TOLEDO
METROPOLITAN STATISTICAL AREA



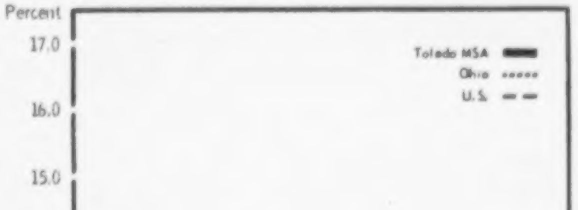
Toledo area nonagricultural wage and salary employment, at 278,600, was 2,300 above the February level. Seasonal growth in services, retail trade, and construction accounted for most of the increase, although nearly all nonmanufacturing industries recorded gains. Manufacturing employment declined 200, to 62,500, with reductions noted in stone, clay, and glass products; electric and electronic equipment; and food and kindred products. Factory production workers earned an average of $12.71 per hour, up $.03. Their workweek averaged 43.0 hours, down .2 hours.

Nonfarm employment rose 12,300 from March 1986 to March 1987. Nonmanufacturing employment advanced 12,800 due primarily to growth in services, particularly health services and business services; retail trade; and construction. Manufacturing employment was 500 lower over the period, although electric and electronic equipment increased 900. Noteworthy losses were recorded in stone, clay, and glass products and motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



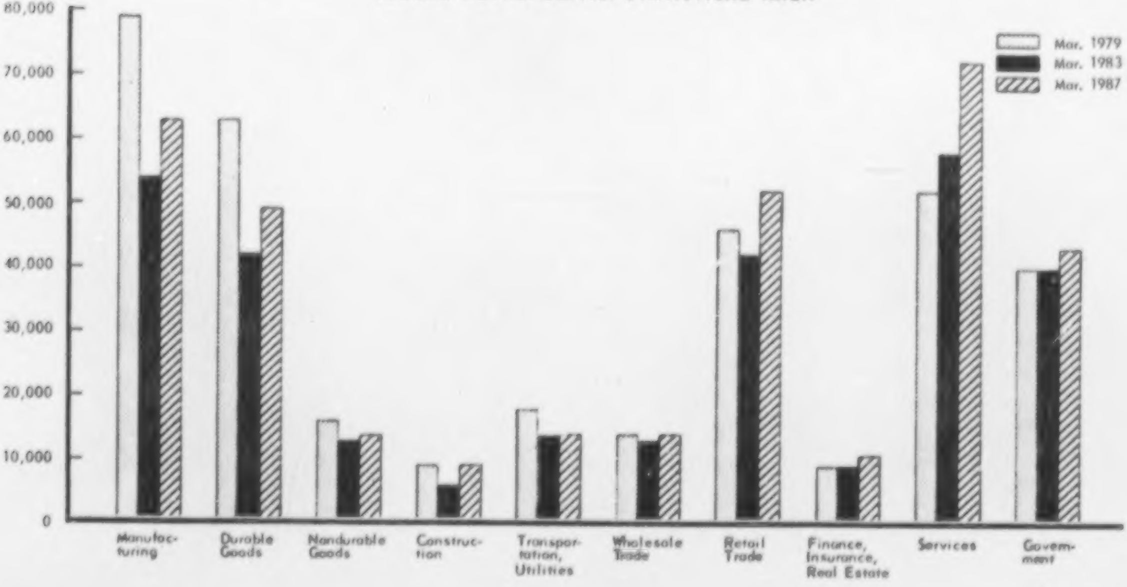
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.6	272.4	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
307.1	280.0	27.1	8.8	February	265.7	63.8	44.5	536.68	42.9	12.51
306.5	282.7	23.8	7.8	March	266.3	62.9	43.5	529.91	42.7	12.41
306.8	281.9	24.9	8.1	April	271.2	63.7	44.2	516.23	41.8	12.35
306.0	280.1	25.9	8.4	May	273.1	62.8	43.5	524.55	42.2	12.43
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.9	281.7	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
INA	INA	INA	INA	March	278.6	62.5	44.0	546.53	43.0	12.71

INA- information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	278.6	276.3	266.3	2.3	12.3
MANUFACTURING	62.5	62.7	62.9	- .2	- .5
Durable Goods[e]	48.6	48.7	49.2	- .1	- .5
Stone, clay, and glass products	7.8	7.9	8.6	- .1	- .8
Primary metal industries	3.4	3.4	3.5	.0	- .1
Fabricated metal products	7.4	7.4	7.6	.0	- .2
Metal forgings and stampings	3.2	3.2	3.4	.0	- .1
Machinery, except electrical	6.2	6.1	6.0	.1	.2
Electric and electronic equipment	2.9	3.0	2.0[j]	- .1	.9
Transportation equipment	16.6	16.6	17.3	.0	- .7
Motor vehicles and equipment	15.6	15.6	16.3	.0	- .7
Nondurable Goods[f]	13.8	13.9	13.8	- .1	.1
Food and kindred products	3.4	3.5	3.3	- .1	.1
Rubber and misc. plastics products	3.3	3.3	3.0	.0	.3
NONMANUFACTURING[g]	216.1	213.7	203.3	2.5	12.8
CONSTRUCTION	9.0	8.7	7.9	.4	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.2	14.1	13.5	.0	.7
Trucking and warehousing	5.6	5.6	5.3	.0	.2
Communication, electric, gas services	5.1	5.1	4.9	.0	.3
WHOLESALE TRADE	14.4	14.3	14.2	.1	.2
Wholesale trade-durable goods	9.5	9.5	9.6	.0	- .1
RETAIL TRADE	52.1	51.7	50.4	.4	1.7
General merchandise stores	6.7	6.7	7.0	.0	- .3
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.3	10.7	.1	.7
Banking	3.6	3.6	3.5	.0	.2
SERVICES	71.8	70.7	64.2	1.1	7.6
Business services	13.5	13.3	12.0	.2	1.5
Health services	29.0	28.9	25.2	.2	3.8
Hospitals	15.3	15.2	14.5	.1	.9
GOVERNMENT	43.1	42.7	42.2	.3	.9
State government	16.3	16.1	15.9	.2	.4
State government education	12.4	12.1	12.0	.2	.3
State government, except education	4.0	4.0	3.9	.0	.1
Local government	24.2	24.1	23.7	.1	.4
Local government education	14.3	14.2	13.7	.1	.6
Local government, except education	9.9	9.9	10.0	.0	- .1

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

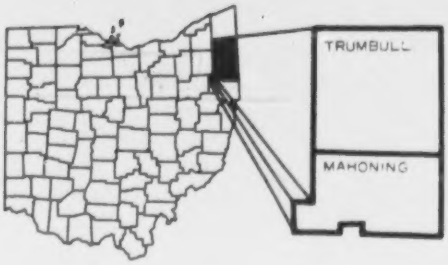
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$546.53	$547.78	$529.91	43.0	43.2	42.7	$12.71	$12.68	$12.41
Durable Goods[e]	567.65	569.42	559.87	43.2	43.5	43.2	13.14	13.09	12.95
Stone, clay, and glass products	526.03	527.94	568.20	41.0	41.9	44.6	12.83	12.60	12.74
Primary metal industries	507.30	525.32	508.72	44.5	46.0	44.9	11.40	11.42	11.33
Fabricated metal products	539.09	555.66	493.64	43.3	44.1	42.3	12.45	12.60	11.67
Metal forgings and stampings	691.60	696.14	580.72	47.5	47.1	42.7	14.56	14.78	13.60
Machinery, except electrical	482.58	486.78	466.35	42.0	42.7	41.9	11.49	11.40	11.13
Electric and electronic equipment	558.52	538.06	493.54	43.6	42.3	41.3	12.81	12.72	11.95
Transportation equipment	672.76	665.76	657.50	44.0	43.8	43.2	15.29	15.20	15.22
Motor vehicles and equipment	676.94	669.48	658.57	44.1	43.9	43.1	15.35	15.25	15.28
Nondurable Goods[f]	466.62	470.11	426.62	42.0	42.2	41.1	11.11	11.14	10.38
Food and kindred products	616.59	607.35	461.30	46.5	45.7	40.5	13.26	13.29	11.39
Rubber and misc. plastics products	310.47	317.19	337.01	39.5	39.5	41.3	7.86	8.03	8.16
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	575.15	570.56	585.42	41.2	40.9	42.7	13.96	13.95	13.71
WHOLESALE TRADE	351.19	345.03	348.52	37.4	37.1	37.8	9.39	9.30	9.22
RETAIL TRADE[h]	157.63	156.52	151.62	28.3	28.0	28.5	5.57	5.59	5.32

[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products [g] Includes mining [h] Money payments only; tips not included [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j] Depressed due to labor-management disputes

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	2,462	2,323	2,475
Active File of Job Seekers	21,111	22,275	26,929
Referrals to Jobs	1,331	788	1,079
Placements	235	180	321
Job Openings Received	635	372	492
Job Openings Unfilled	985	717	621
Unemployment Insurance Program			
Initial Claims	3,856	4,497	3,621
Continued Claims	34,235	32,382	35,926
First Payments	1,497	2,301	2,398
Last Payments	364	393	349
Weeks Compensated	26,543	27,520	32,544
Benefits Paid	$3,924,068	$4,051,210	$4,951,162
Average Weekly Payment	$150.87	$150.61	$154.88

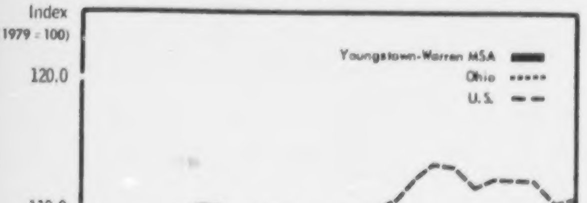
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



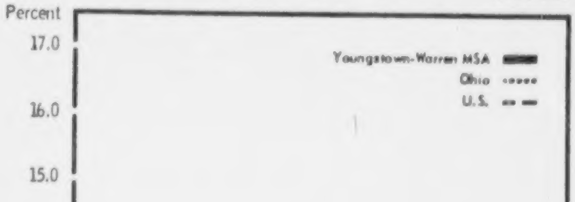
In the Youngstown-Warren metropolitan area, nonagricultural wage and salary employment totaled 188,600 in March 1987, up 1,300 from February. The increase occurred chiefly in nonmanufacturing with construction, retail trade, and services each up 300 over the month. Manufacturing employment rose slightly to 51,400. Production workers in manufacturing earned $13.48 per hour, up $.02. Their average workweek of 43.3 hours was up .2 hours from February.

Over the year, nonagricultural wage and salary employment rose 5,200. The growth occurred in nonmanufacturing, with services having the largest increase. Retail trade, construction, and government also had notable gains. Manufacturing employment declined 300 over the year as losses in nonelectrical machinery and transportation equipment were partially offset by advances in primary metal industries.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



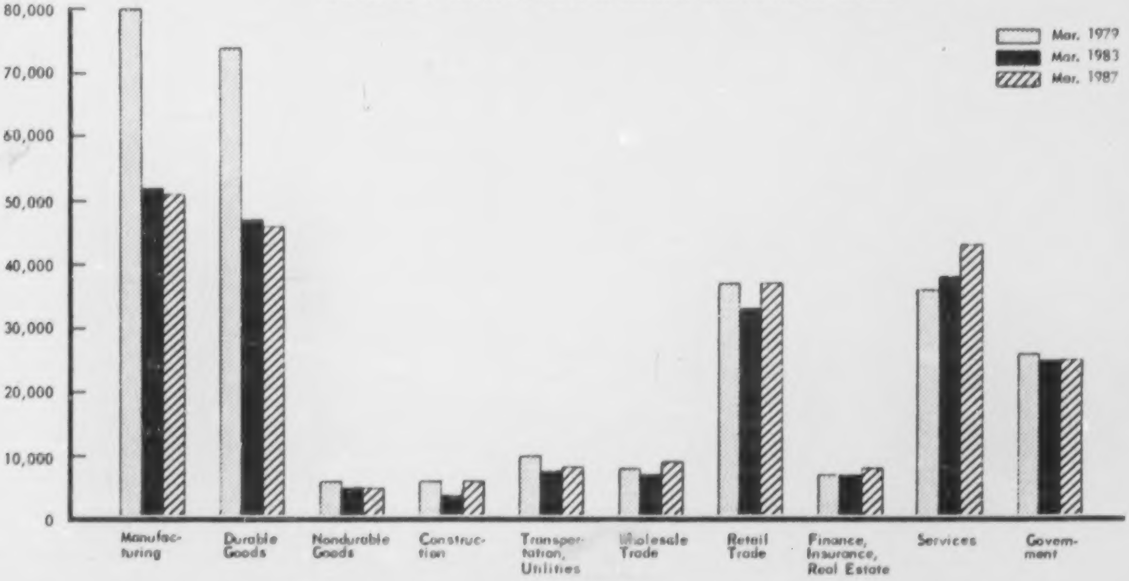
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.4	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
224.0	198.2	25.8	11.5	February	182.6	51.8	38.6	570.12	42.2	13.51
223.2	200.6	22.6	10.1	March	183.4	51.7	38.5	549.61	41.2	13.34
224.0	200.6	23.4	10.4	April	186.7	51.7	38.5	542.93	41.1	13.21
221.9	201.3	20.6	9.3	May	189.8	52.2	39.0	533.79	40.5	13.18
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.3	197.5	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
INA	INA	INA	INA	March	188.6	51.4	38.7	583.68	43.3	13.48

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	March 1987[b]	February 1987[c]	March 1986[c]	From Last Month	From Last Year
TOTAL	188.6	187.2	183.4	1.3	5.2
MANUFACTURING	51.4	51.1	51.7	.3	-.3
Durable Goods[e]	46.0	45.8	46.5	.2	-.5
Primary metal industries	19.9	19.6	19.6	.3	.3
Blast furnace and basic steel products	6.7	6.7	6.4	.1	.4
Fabricated metal products	7.5	7.4	7.7	.1	-.2
Machinery, except electrical	3.5	3.5	3.8	.0	-.3
Electric and electronic equipment	2.3	2.4	2.3	.0	.0
Transportation equipment	9.7	10.0	10.0	-.3	-.3
Nondurable Goods[f]	5.4	5.2	5.2	.1	.2
NONMANUFACTURING[g]	137.2	136.2	131.7	1.0	5.5
CONSTRUCTION	6.1	5.9	5.3	.3	.8
TRANSPORTATION AND PUBLIC UTILITIES	8.0	7.9	7.5	.1	.5
Communication, electric, gas services	3.1	3.1	3.0	.0	.1
WHOLESALE TRADE	8.9	9.0	8.6	-.1	.3
Wholesale trade-durable goods	5.7	5.8	5.7	-.1	.0
RETAIL TRADE	36.9	36.6	36.0	.3	.9
General merchandise stores	5.3	5.4	5.7	-.1	-.5
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.2	7.8	.0	.5
Banking	2.8	2.7	2.7	.0	.1
SERVICES	43.3	43.0	41.3	.3	2.0
Health services	19.4	19.3	18.5	.1	.9
Hospitals	10.2	10.1	9.8	.0	.4
GOVERNMENT	25.1	25.1	24.5	.1	.6
State government	4.2	4.2	4.3	.0	.0
State government education	2.8	2.8	2.8	.0	.0
State government, except education	1.5	1.5	1.4	.0	.0
Local government	18.9	18.8	18.2	.1	.6
Local government education	12.3	12.3	11.9	.0	.5
Local government, except education	6.5	6.5	6.4	.0	.2

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1987[b]	February 1987[c]	March 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]	Mar. 1987[b]	Feb. 1987[c]	Mar. 1986[c]
MANUFACTURING	$583.68	$580.13	$549.61	43.3	43.1	41.2	$13.48	$13.46	$13.34
Durable Goods[e]	601.17	598.05	566.35	43.5	43.4	41.4	13.82	13.78	13.68
Primary metal industries	610.18	612.47	541.88	42.7	42.8	38.9	14.29	14.31	13.93
Blast furnace and basic steel products	631.68	638.68	505.30	44.8	45.2	37.1	14.10	14.13	13.62
Fabricated metal products	576.35	583.62	575.61	42.1	42.6	41.5	13.69	13.70	13.87
Machinery, except electrical	483.00	482.47	468.23	42.0	41.7	41.4	11.50	11.57	11.31
Electric and electronic equipment	412.80	411.95	405.47	38.4	38.5	39.1	10.75	10.70	10.37
Transportation equipment	739.07	706.88	726.48	48.4	47.0	46.9	15.27	15.04	15.49
Nondurable Goods[f]	396.17	396.59	359.52	40.8	40.1	38.7	9.71	9.89	9.29
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	521.40	522.72	522.37	39.5	39.6	40.4	13.20	13.20	12.93
WHOLESALE TRADE	334.90	340.10	329.57	38.1	38.3	38.1	8.79	8.88	8.65
RETAIL TRADE[h]	169.36	170.82	164.16	29.1	29.2	28.8	5.82	5.85	5.70

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, instruments and related products, miscellaneous manufacturing. [f] Includes food and kindred products, tobacco manufactures; textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products, leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	March 1987	February 1987	March 1986
Employment Service Program			
New Applicants	1,890	1,862	2,626
Active File of Job Seekers	22,494	28,315	35,070
Referrals to Jobs	936	1,010	1,202
Placements	258	202	272
Job Openings Received	381	339	492
Job Openings Unfilled	483	494	491
Unemployment Insurance Program			
Initial Claims	4,633	4,458	4,836
Continued Claims	31,748	34,223	32,124
First Payments	1,310	2,413	1,534
Last Payments	372	360	440
Weeks Compensated	26,656	30,494	29,202
Benefits Paid	$3,829,305	$4,505,998	$4,229,997
Average Weekly Payment	$147.73	$151.97	$148.02

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	March 1987	February 1987	March 1986
New Applicants	44,080	42,617	47,262
Active File of Job Seekers	345,468	383,875	452,976
Counseling Interviews	1,758	2,004	2,291
Tests Administered	4,208	4,419	3,767
General Aptitude Tests	560	405	398
Proficiency Tests	528	611	605
Specific Aptitude Tests	952	1,185	2,185
Referrals to Jobs	24,404	20,128	22,824
Placements	4,837	4,529	5,167
Job Openings Received	12,372	8,456	10,918
Job Openings Unfilled	20,544	17,442	18,390

Selected Unemployment Insurance Activities

	March 1987	February 1987	March 1986
Initial Claims	58,948	60,049	56,732
Continued Claims	599,081	591,587	620,104
First Payments	24,497	39,802	29,308
Last Payments	7,375	7,244	8,582
Average Weekly Claimants	136,208	145,725	149,729
Average Weekly Benefit Recipients	121,596	128,508	134,531
Weeks Compensated	492,489	514,031	548,101
Benefits Paid	$73,150,826	$76,217,472	$80,968,441
Average Weekly Payment	$151.73	$151.33	$150.71
Continued Claims for Survey Week	136,453	146,359	148,501
Insured Unemployment Rate	3.2	3.5	3.6
Net Contributions	$ 3,920,243	$69,602,078	$ 3,528,175
Active Employer Accounts	196,049	194,258	191,556

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Ohio
Labor
Market
Information

Labor Market Review

April 1987

Summary. Ohio's seasonally adjusted unemployment rate dropped from 7.5 percent in March 1987 to 7.2 percent in April, the lowest unemployment rate for the State since March 1980. The U.S. rate also declined, from 6.6 percent to 6.3 percent. The civilian labor force in Ohio rose 8,000, to 5,223,000. Total employment advanced 22,000, while the number of unemployed fell 14,000, to 377,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio rose 10,000 from March, to 4,573,000 in April, due to gains in nonmanufacturing industries, especially services. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio, at 1,099,000 in April, was unchanged from March. Durable-goods employment was little changed at 742,000, and nondurable-goods employment stayed at 357,000.

Nonmanufacturing. Nonmanufacturing employment rose 9,000 from March, to 3,474,000 in April. Most of the increase occurred in services, up 6,000 over the month. Construction, wholesale trade, retail trade, and finance, insurance, and real estate had small increases, while government had a slight decline. Employment in mining and transportation and public utilities was unchanged over the month.

Over the Year. Between April 1986 and April 1987, Ohio's civilian labor force declined 25,000. The number of jobless workers fell 48,000, while total employment was up 23,000. The Ohio unemployment rate dropped from 8.1 percent to 7.2 percent as the nationwide rate fell from 7.1 percent to 6.3 percent. Nonfarm payroll employment rose 114,000 over the year. Services gained 57,000 jobs, while retail trade increased 33,000. All other nonmanufacturing industries had more employment except mining, down 2,000. Manufacturing employment lost 18,000 due to declines in durable-goods industries.

Factory Hours and Earnings. Factory production workers in Ohio worked an average of 42.1 hours per week in April, down .4 hours from March. Their average weekly earnings dropped $5.12, to $493.41. Reduced overtime lowered earnings significantly in general industrial machinery, metal forgings and stampings, and aircraft and parts. A noteworthy increase in earnings occurred in blast furnace and basic steel products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 54,816 in April, down 7.0 percent from March, and down 8.1 percent from April 1986. The average weekly number of benefit recipients fell 16.8 percent from March, to 101,157. Total benefits paid, at $67.5 million, was 7.8 percent below last month's level. The average weekly benefit check of $150.96 was $.77 lower in April than in March. There were 194,529 active employer accounts at the end of April.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Dr. Roberta Steinbacher, Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 42,612 new job applicants, down 3.3 percent from March. Between March and April, the number of job openings from employers increased 25.1 percent, from 12,372 to 15,472. The Employment Services Division made 28,655 referrals and 5,936 placements.

The U.S. Department of Labor has designated Labor Surplus Areas for the period April 1, 1987 through September 30, 1987.

See pages 14 and 15 for listings of cities and counties.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Apr. 1987	Mar. 1987	Apr. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,223	5,215	5,248	8	-25	0.2	-0.5
Employment	4,846	4,824	4,823	22	23	0.5	0.5
Unemployment	377	391	425	-14	-48	-3.6	-11.3
Unemployment Rate	7.2	7.5	8.1				
Employer Survey Data[e]							
Total	4,573	4,563	4,459	10	114	0.2	2.6
Manufacturing	1,099	1,099	1,117	0	-18	0.0	-1.6
Durable Goods	742	741	761	0	-19	0.0	-2.5
Nondurable Goods	357	357	356	0	1	0.1	0.3
Nonmanufacturing	3,474	3,465	3,342	9	132	0.3	4.0
Mining	21	21	23	0	-2	-0.9	-9.4
Construction	171	170	161	1	10	0.3	6.2
Transportation and Public Utilities	211	210	203	0	7	0.2	3.7
Wholesale Trade	250	249	245	1	5	0.3	2.0
Retail Trade	846	845	813	1	33	0.2	4.1
Finance, Insurance, and Real Estate	242	240	229	1	12	0.5	5.4
Services	1,046	1,040	989	6	57	0.6	5.8
Government	688	688	678	-1	10	-0.1	1.4
Goods Producing Industries[f]	1,291	1,290	1,301	1	-11	0.1	-0.8
Service Producing Industries[g]	3,282	3,273	3,158	9	125	0.3	3.9

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates*

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

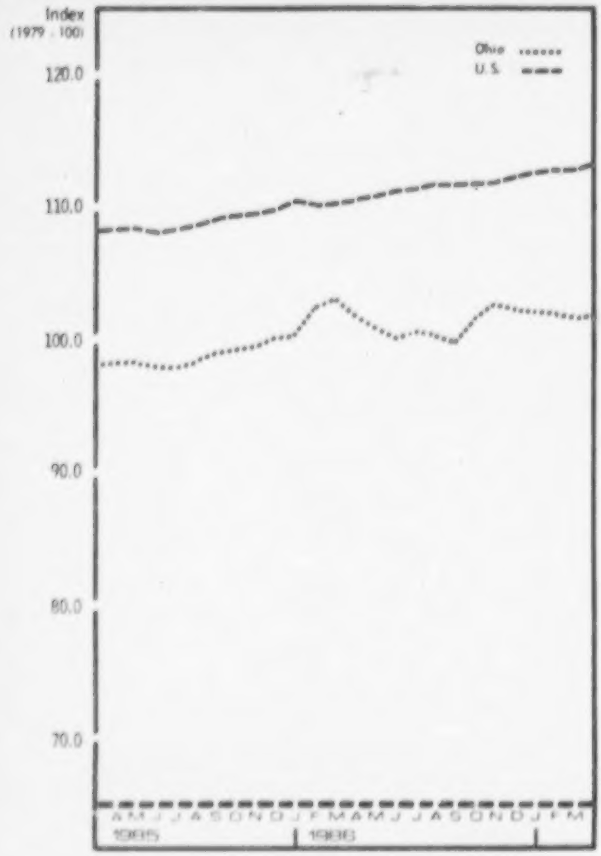
Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	US			Manufacturing		
								Durable	Nondurable
					1985				
5,133	4,670	463	9.0	7.3	April	4,359	1,127	772	355
5,084	4,664	420	8.3	7.2	May	4,379	1,128	773	356
5,078	4,645	433	8.5	7.3	June	4,368	1,124	770	355
5,150	4,647	503	9.8	7.3	July	4,374	1,122	767	355
5,132	4,675	457	8.9	7.1	August	4,380	1,119	763	356
5,167	4,701	466	9.0	7.1	September	4,385	1,114	759	355
5,172	4,707	465	9.0	7.1	October	4,398	1,117	762	356
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,573	1,099	742	357

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

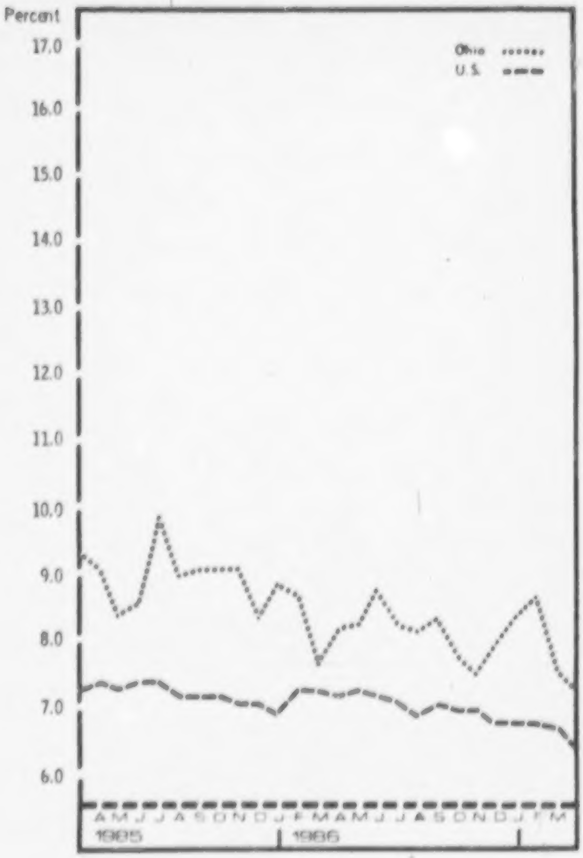
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance Insurance & Real Estate	Services	Government
					1985				
3,232	27	154	203	244	April	782	217	942	664
3,250	27	155	203	245	May	788	218	949	664
3,244	26	154	203	244	June	789	218	948	663
3,252	26	154	202	243	July	790	219	952	667
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,474	21	171	211	250	April	846	242	1046	688

*Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

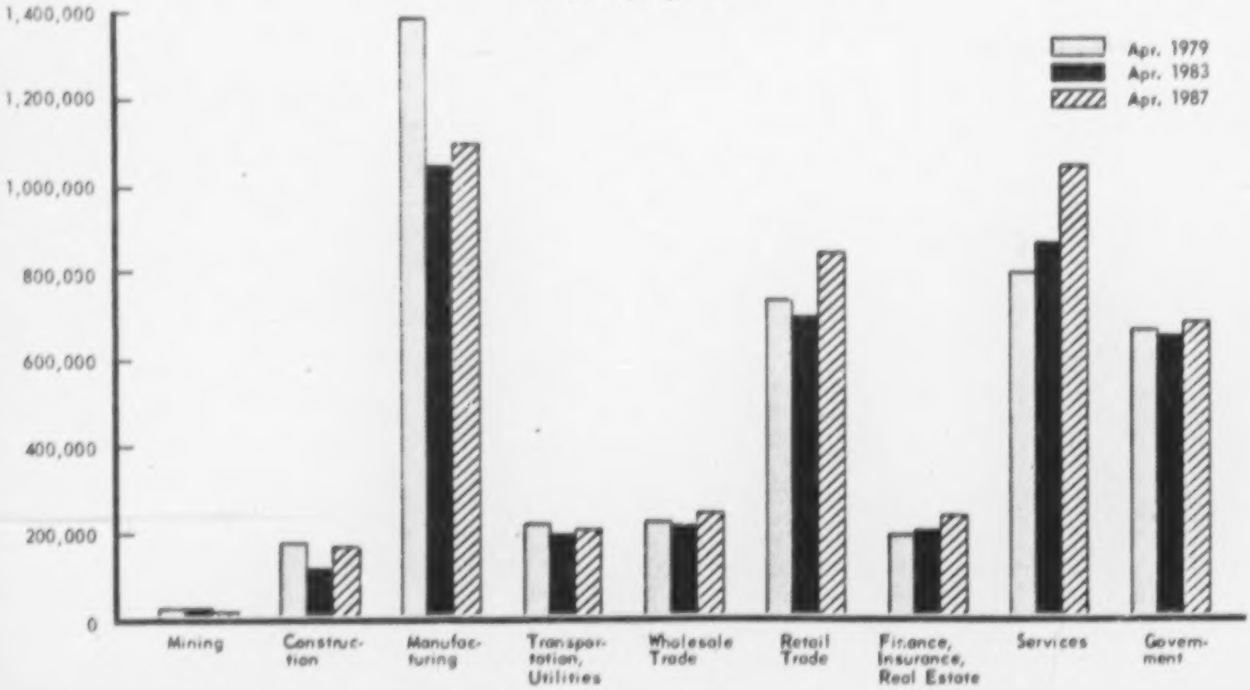
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural	Manufacturing		
Total	Employed	Unemployed	Ohio	US				Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.2	768.7	355.5
5,234	4,809	426	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1985				
5,225	4,811	414	7.9	7.0	April	4,446.7	1,114.1	760.3	353.9
5,197	4,798	389	7.5	7.0	May	4,491.8	1,112.3	757.2	355.1
5,267	4,809	458	8.7	7.3	June	4,510.9	1,118.3	760.1	358.2
5,295	4,882	413	7.8	7.0	July	4,478.3	1,105.8	750.6	355.2
5,261	4,838	423	8.0	6.7	August	4,488.4	1,107.4	748.4	359.0
5,189	4,755	434	8.4	6.6	September	4,531.8	1,109.4	748.0	361.4
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.5
5,205	4,732	473	9.1	7.2	February	4,467.2	1,096.0	742.4	353.5
5,154	4,749	405	7.9	6.9	March	4,492.3	1,092.1	738.4	353.6
5,205	4,837	367	7.1	6.2	April	4,560.1	1,095.8	740.9	354.9

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	206.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	657.5
3,102.6	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	157.4	223.1	230.6	1980	726.6	203.8	830.9	669.9
3,065.1	30.7	153.7	217.2	232.5	1981	717.7	205.6	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.6	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	746.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.6	996.8	679.8
					1985				
3,332.6	22.6	151.3	201.9	244.2	April	803.5	228.1	990.8	690.1
3,379.5	22.5	162.0	203.2	245.6	May	817.2	230.6	1,003.4	694.9
3,392.6	22.5	166.1	203.7	24[illegible]0	June	825.3	233.5	1,012.8	679.6
3,372.5	22.6	175.3	208.1	24[illegible]	July	825.9	236.1	1,013.6	643.5
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	834.5	235.4	1,019.1	691.8
3,459.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,453.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	235.6	1,006.1	699.6
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.5	206.6	246.9	March	817.0	239.3	1,023.5	701.9
3,464.3	20.5	160.7	209.3	249.0	April	836.1	240.4	1,048.3	692.9

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment (in thousands)

Production Workers in Manufacturing

Manufacturing	Manufacturing: Durable Goods	Manufacturing: Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.0	384.6	1976	926.1	$233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	310.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,056.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	352.3	33.1
1,124.2	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,114.1	760.3	353.9	April	754.1	367.9	31.9
1,112.3	757.2	355.1	May	761.6	365.8	31.8
1,118.3	760.1	358.2	June	764.9	368.5	32.0
1,105.8	750.6	355.2	July	751.6	357.5	31.1
1,107.4	748.4	359.0	August	753.5	362.7	31.6
1,109.4	748.0	361.4	September	755.4	368.6	32.0
1,098.4	741.5	356.9	October	745.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,095.8	740.9	354.9	April	749.3	369.7	31.5

Production Workers Average Weekly Earnings

Manufacturing	Manufacturing: Durable Goods	Manufacturing: Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
305.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
481.54	504.71	426.59	April
480.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	438.19	July
481.43	500.99	439.30	August
487.30	502.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
493.41	515.89	443.06	April

Production Workers Average Weekly Hours

	Manufacturing	Manufacturing: Durable Goods	Manufacturing: Nondurable Goods
1976	41.2	41.4	41.3
1977	42.0	42.2	41.4
1978	42.1	42.3	41.5
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1986			
April	41.8	42.2	40.9
May	41.8	42.0	41.3
June	41.9	42.1	41.6
July	41.4	41.4	41.3
August	41.9	42.1	41.6
September	42.3	42.5	41.9
October	41.9	42.1	41.7
November	42.6	42.9	42.0
December	43.1	43.5	42.2
1987			
January	42.7	43.1	41.7
February	42.4	42.8	41.4
March	42.5	42.9	41.6
April	42.1	42.6	41.1

Production Workers Average Hourly Earnings

	Manufacturing	Manufacturing: Durable Goods	Manufacturing: Nondurable Goods
1976	$ 6.10	$ 6.25	$ 5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
April	11.52	11.96	10.43
May	11.49	11.90	10.53
June	11.50	11.90	10.57
July	11.49	11.86	10.61
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.65
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.73	12.12	10.79
April	11.72	12.11	10.78

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

	Stone Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	105.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.5	101.8	139.5	166.1	90.7	151.2	62.9	66.8	91.4
1986	49.4	95.4	136.8	158.7	89.8	153.5	62.6	68.6	91.5
1986									
April	49.6	98.5	137.9	160.5	89.6	154.5	60.6	68.0	92.4
May	49.9	98.4	137.6	160.3	90.1	150.5	61.6	69.1	92.3
June	50.5	97.2	137.8	160.3	89.5	154.0	62.6	68.9	92.9
July	50.4	93.9	135.5	159.0	89.1	153.5	63.0	68.9	90.2
August	50.6	91.9	135.5	158.3	90.4	151.1	66.2	68.9	90.2
September	50.4	90.1	137.2	158.1	90.1	151.2	66.6	69.3	91.2
October	48.6	90.9	133.0	152.7	90.1	152.5	63.1	69.4	90.5
November	49.2	93.6	136.3	155.0	90.2	153.8	62.4	69.4	90.9
December	49.0	94.1	136.0	156.1	90.2	154.4	62.7	69.1	91.3
1987									
January	47.8	93.8	134.3	155.0	90.6	151.7	62.0	68.8	91.3
February	47.9	95.5	133.5	154.1	89.8	153.6	61.5	69.1	90.8
March	47.7	96.7	133.3	153.8	89.0	148.9	61.5	69.1	90.4
April	48.4	95.7	132.5	153.7	88.3	151.7	61.9	69.3	90.3

Average Weekly Earnings of Production Workers

	Stone Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	$232.40	$294.58	$256.68	$253.31	$221.54	$302.87	$242.92	$252.20	$237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	365.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	356.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1986									
April	444.11	546.40	495.01	492.22	452.79	632.60	399.10	398.91	423.43
May	446.37	547.80	486.36	481.20	451.28	620.54	419.67	407.33	433.15
June	443.56	546.89	494.06	483.07	450.58	616.40	417.91	402.80	443.66
July	442.24	548.05	472.65	473.30	448.11	600.65	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	447.62	559.68	494.38	485.41	464.08	629.31	420.33	417.40	441.34
October	447.44	563.50	488.36	482.58	456.77	610.76	426.72	418.95	443.23
November	442.08	583.73	503.01	492.33	471.33	646.46	423.85	429.37	447.38
December	441.00	596.23	515.70	510.82	489.89	655.48	436.77	429.46	444.19
1987									
January	441.31	593.61	515.91	498.53	473.61	647.91	438.46	416.96	443.59
February	440.67	590.46	510.27	499.80	457.47	646.46	435.77	420.53	433.82
March	449.35	587.80	506.75	506.32	463.29	640.46	436.60	415.56	438.35
April	447.37	598.51	494.25	494.91	463.14	630.52	427.24	414.79	433.05

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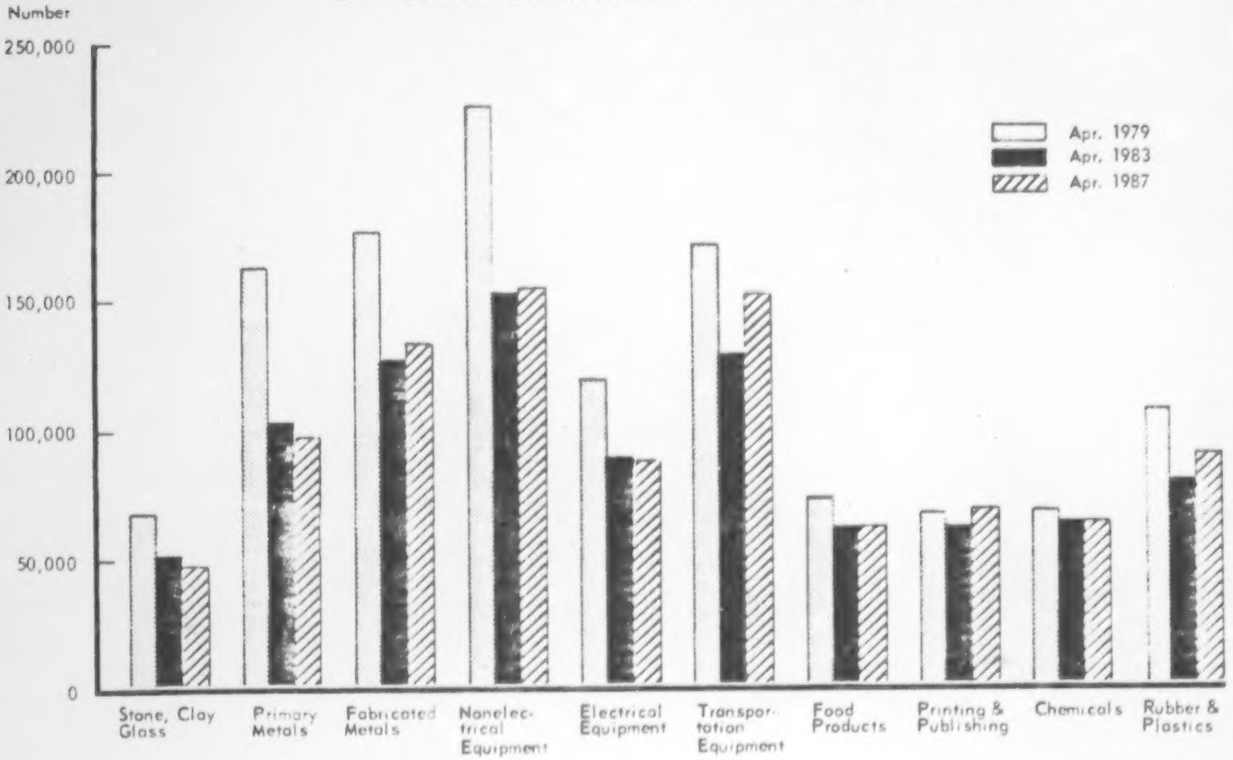
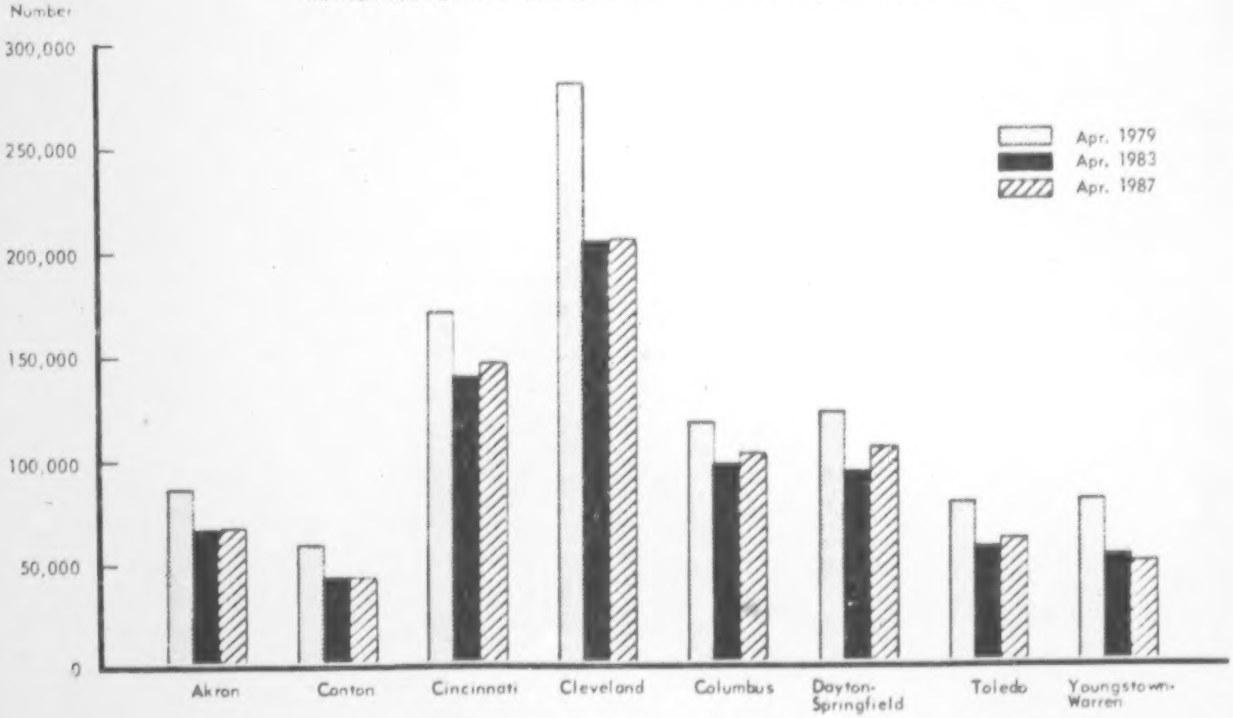
[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	4560.1	4492.3	4446.7	67.8	113.4
MANUFACTURING	1095.8	1092.1	1114.1	3.7	-18.3
Durable Goods[e]	740.9	738.4	760.3	2.5	-19.3
Lumber and wood products	19.1	18.6	18.0	.6	1.2
Furniture and fixtures	14.8	14.6	14.6	.2	.2
Stone, clay, and glass products	48.4	47.7	49.6	.6	-1.2
Glass and glassware, pressed or blown	10.6	10.8	11.2	-.1	-.6
Primary metal industries	96.7	96.7	98.5	.0	-1.8
Blast furnace and basic steel products	44.9	44.5	44.5	.4	.4
Iron and steel foundries	19.1	19.5	20.9	-.4	-1.8
Nonferrous rolling and drawing	17.2	17.4	17.8	-.2	-.6
Fabricated metal products	132.5	133.3	137.9	-.8	-5.4
Cutlery, hand tools, and hardware	10.2	10.2	10.9	.0	-.8
Fabricated structural metal products	28.1	28.2	28.7	.0	-.6
Metal forgings and stampings	42.4	42.8	44.2	-.3	-1.8
Machinery, except electrical	153.7	153.8	160.5	-.1	-6.8
Construction and related machinery	11.9	12.1	13.1	-.2	-1.2
Metalworking machinery	39.2	39.3	41.7	-.1	-2.5
Special industry machinery	16.8	16.8	17.1	.0	-.3
General industrial machinery	26.9	26.7	28.7	.2	-1.8
Office and computing machines	13.3	13.3	13.6	.0	-.2
Refrigeration and service machinery	17.0	17.0	16.5	.0	.5
Electric and electronic equipment	88.3	89.0	89.6	-.7	-1.3
Electrical industrial apparatus	16.8	16.5	17.2	.3	-.4
Household appliances	16.6	17.1	16.9	-.5	-.3
Electric lighting and wiring equipment	17.9	17.7	17.9	.2	.0
Communication equipment	10.3	10.6	10.6	-.3	-.4
Transportation equipment	151.7	148.9	154.5	2.7	-2.9
Motor vehicles and equipment	97.5	94.3	99.3	3.2	-1.9
Aircraft and parts	44.7	45.2	45.9	-.5	-1.2
Instruments and related products	22.1	22.2	23.3	-.1	-1.2
Measuring and controlling devices	12.0	12.1	12.3	-.1	-.3
Nondurable Goods[f]	354.9	353.6	353.9	1.3	1.0
Food and kindred products	61.9	61.5	60.6	.4	1.3
Meat products	9.7	9.7	9.4	.0	.3
Dairy products	10.2	10.2	9.8	.0	.4
Preserved fruits and vegetables	10.4	10.2	10.1	.2	.3
Bakery products	8.8	8.7	8.5	.2	.4
Beverages	9.7	9.6	9.5	.1	.1
Apparel and other textile products	16.2	16.1	16.0	.1	.2
Paper and allied products	37.4	37.2	37.0	.2	.4
Misc. converted paper products	12.1	11.8	11.7	.3	.4
Paperboard containers and boxes	12.7	12.8	12.6	-.1	.1
Printing and publishing	69.3	69.1	68.0	.2	1.2
Newspapers	19.2	19.3	18.7	-.1	.4
Commercial printing	26.4	26.2	26.1	.2	.3
Chemicals and allied products	63.7	63.3	63.0	.4	.7
Industrial inorganic chemicals	10.1	10.1	9.9	.1	.2
Rubber and misc. plastics products	90.3	90.4	92.4	-.1	-2.1
Tires and inner tubes	17.0	17.0	18.3	.0	-1.3
Miscellaneous plastics products	53.4	53.5	53.5	-.2	-.1

See footnotes on page 13

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3464.3	3400.3	3332.6	64.1	131.7
MINING	20.5	20.5	22.6	.0	- 2.2
Bituminous coal and lignite mining	9.6	9.6	10.2	- .1	- .7
Oil and gas extraction	6.4	6.7	7.8	- .3	- 1.4
CONSTRUCTION	160.7	145.6	151.3	15.2	9.4
General building contractors	41.7	38.9	37.9	2.8	3.8
Heavy construction contractors	18.5	15.0	18.9	3.5	- .3
Highway and street construction	8.0	6.1	8.0	1.9	.1
Special trade contractors	100.5	91.7	94.5	8.9	6.0
TRANSPORTATION AND PUBLIC UTILITIES	209.3	206.6	201.9	2.7	7.4
Railroad transportation	14.5	14.0	16.0	.5	- 1.5
Transportation, except railroads	100.8	99.0	95.8	1.8	5.0
Trucking and warehousing	69.6	69.0	67.3	.6	2.4
Communication, electric, gas services	94.0	93.6	90.0	.3	3.9
Communication	52.7	52.3	48.8	.3	3.8
Electric, gas, and sanitary services	41.3	41.3	41.2	.0	.1
WHOLESALE TRADE	249.0	246.9	244.2	2.1	4.9
Wholesale trade-durable goods	157.3	156.1	155.0	1.2	2.3
Motor vehicles & automotive equipment	22.2	22.1	22.1	.0	.1
Electrical goods	20.6	20.7	20.3	- .1	.4
Machinery, equipment, and supplies	68.0	67.5	67.1	.6	.9
Wholesale trade-nondurable goods	91.7	90.8	89.2	.9	2.6
Groceries and related products	29.3	29.0	27.9	.3	1.4
RETAIL TRADE	836.1	817.0	803.5	19.1	32.6
General merchandise stores	109.5	109.2	109.5	.3	.1
Department stores	97.0	96.8	97.9	.2	- .9
Food stores	130.0	128.5	126.7	1.5	3.3
Automotive dealers & service stations	94.4	93.0	90.3	1.4	4.2
Apparel and accessory stores	39.1	38.5	37.0	.7	2.1
Eating and drinking places	298.3	286.4	285.2	11.9	13.1
FINANCE, INSURANCE, AND REAL ESTATE	240.4	238.3	228.1	2.2	12.3
Banking	62.3	62.3	61.0	.0	1.3
Credit agencies other than banks	38.4	38.1	35.8	.3	2.6
Insurance carriers	65.0	64.7	62.2	.3	2.8
Life insurance	24.0	24.0	23.4	.1	.7
Fire, marine, and casualty insurance	28.8	28.8	28.4	.0	.5
SERVICES	1048.3	1023.5	990.8	24.8	57.5
Hotels and other lodging places	33.5	32.4	32.6	1.1	.9
Personal services	58.4	57.3	55.0	1.1	3.4
Laundry, cleaning, & garment services	18.5	18.3	18.0	.3	.6
Business services	208.9	202.6	186.8	6.3	22.1
Services to buildings	29.3	29.0	27.3	.3	2.0
Computer and data processing services	19.3	19.0	17.0	.3	2.2
Amusement and recreation services	39.2	31.3	37.3	7.8	1.9
Health services	355.7	354.1	339.7	1.6	16.0
Nursing and personal care facilities	78.3	77.8	74.8	.5	3.5
Hospitals	175.0	174.6	168.3	.5	6.8
Educational services	63.3	62.7	63.6	.6	- .4
Colleges and universities	35.2	34.7	35.4	.5	- .2
GOVERNMENT	699.9	701.9	690.1	- 2.0	9.8
Federal government	93.9	93.7	93.7	.2	.2
State government	158.8	158.5	154.3	.3	4.5
State government education	83.9	85.0	82.4	- 1.1	1.5
State government, except education	74.9	73.5	72.0	1.4	2.9
Local government	447.2	449.7	442.1	- 2.5	5.2
Local government education	262.8	266.6	259.2	- 3.8	3.7
Local government, except education	184.4	183.1	182.9	1.3	1.5

See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$493.41	$498.53	$481.54	42.1	42.5	41.8	$11.72	$11.73	$11.52
Durable Goods[e]	515.89	519.95	504.71	42.6	42.9	42.2	12.11	12.12	11.96
Lumber and wood products	307.23	306.18	285.84	41.8	42.0	39.7	7.35	7.29	7.20
Furniture and fixtures	340.85	344.73	344.87	40.1	40.7	41.5	8.50	8.47	8.31
Stone, clay, and glass products	447.37	449.35	444.11	41.5	41.8	41.7	10.78	10.75	10.65
Glass and glassware, pressed or blown	459.75	453.86	477.28	40.4	40.2	42.2	11.38	11.29	11.31
Primary metal industries	598.51	587.80	546.40	44.4	43.8	41.3	13.48	13.42	13.23
Blast furnace and basic steel products	624.64	602.25	537.20	45.1	43.8	40.0	13.85	13.75	13.43
Iron and steel foundries	634.95	620.78	589.16	45.0	44.5	42.6	14.11	13.95	13.83
Nonferrous rolling and drawing	585.48	599.94	578.22	42.0	42.7	41.9	13.94	14.05	13.80
Fabricated metal products	494.25	506.75	495.01	42.1	42.8	42.2	11.74	11.84	11.73
Cutlery, hand tools, and hardware	475.60	473.22	474.74	40.0	39.8	39.3	11.89	11.89	12.08
Fabricated structural metal products	438.05	455.39	431.04	41.6	42.6	42.3	10.53	10.69	10.19
Metal forgings and stampings	618.11	636.98	630.08	43.9	44.7	44.0	14.08	14.25	14.32
Machinery, except electrical	494.91	506.32	482.22	42.3	42.8	42.3	11.70	11.83	11.40
Construction and related machinery	419.98	420.24	398.19	41.5	41.2	39.7	10.12	10.20	10.03
Metalworking machinery	465.09	460.51	468.42	41.9	41.6	42.7	11.10	11.07	10.97
Special industry machinery	479.40	476.72	450.89	42.5	42.3	42.1	11.28	11.27	10.71
General industrial machinery	496.39	543.75	500.64	41.4	43.5	42.0	11.99	12.50	11.92
Office and computing machines	411.78	411.52	396.35	43.3	42.6	42.3	9.51	9.66	9.37
Refrigeration and service machinery	556.42	578.59	550.25	41.4	42.7	42.1	13.44	13.55	13.07
Electric and electronic equipment	463.14	463.29	452.79	41.5	41.7	41.2	11.16	11.11	10.99
Electrical industrial apparatus	448.51	447.37	445.67	40.7	41.5	40.7	11.02	10.78	10.95
Household appliances	470.26	482.04	470.60	40.4	41.2	41.1	11.64	11.70	11.45
Electric lighting and wiring equipment	493.00	489.30	468.00	42.5	42.0	42.2	11.60	11.65	11.09
Communication equipment	510.60	471.77	491.71	42.8	40.6	41.6	11.93	11.62	11.82
Transportation equipment	630.52	640.46	632.60	44.0	44.6	44.3	14.33	14.36	14.28
Motor vehicles and equipment	651.64	662.90	660.07	44.0	44.7	44.3	14.81	14.83	14.90
Aircraft and parts	568.96	591.84	575.85	43.3	44.6	45.2	13.14	13.27	12.74
Instruments and related products	366.51	370.78	350.34	40.1	40.7	39.1	9.14	9.11	8.96
Measuring and controlling devices	370.28	373.28	339.00	39.1	39.5	37.5	9.47	9.45	9.04
Nondurable Goods[f]	443.06	448.86	426.59	41.1	41.6	40.9	10.78	10.79	10.43
Food and kindred products	427.24	436.60	399.10	41.2	41.9	40.6	10.37	10.42	9.83
Meat products	368.18	397.11	360.40	41.0	43.4	40.0	8.98	9.15	9.01
Dairy products	479.37	458.77	448.54	44.1	42.4	42.8	10.87	10.82	10.48
Preserved fruits and vegetables	406.64	404.15	369.34	39.1	39.2	39.8	10.40	10.31	9.28
Bakery products	464.92	459.01	441.22	39.5	39.4	38.3	11.77	11.65	11.52
Beverages	416.83	403.38	408.80	41.6	40.5	41.8	10.02	9.96	9.78
Apparel and other textile products	269.25	277.97	272.19	37.5	38.5	37.7	7.18	7.22	7.22
Paper and allied products	487.97	499.97	472.56	44.2	44.8	44.0	11.04	11.16	10.74
Misc. converted paper products	429.10	455.62	430.77	43.3	44.8	43.6	9.91	10.17	9.88
Paperboard containers and boxes	430.14	428.86	408.85	42.8	42.8	42.5	10.05	10.02	9.62
Printing and publishing	414.79	415.56	398.91	38.3	38.3	38.1	10.83	10.85	10.47
Newspapers	359.82	358.05	335.30	34.9	35.0	33.8	10.31	10.23	9.92
Commercial printing	406.21	408.72	397.55	39.4	39.0	39.4	10.31	10.48	10.09
Chemicals and allied products	529.62	529.61	503.84	41.9	41.8	41.4	12.64	12.67	12.17
Industrial inorganic chemicals	578.72	564.14	528.21	42.9	42.1	40.6	13.49	13.40	13.01
Rubber and misc. plastics products	433.05	438.35	423.43	41.8	42.6	41.8	10.36	10.29	10.13
Tires and inner tubes	631.40	636.92	628.38	45.1	45.3	45.8	14.00	14.06	13.72
Miscellaneous plastics products	416.07	421.46	404.89	41.4	42.4	41.4	10.05	9.94	9.78

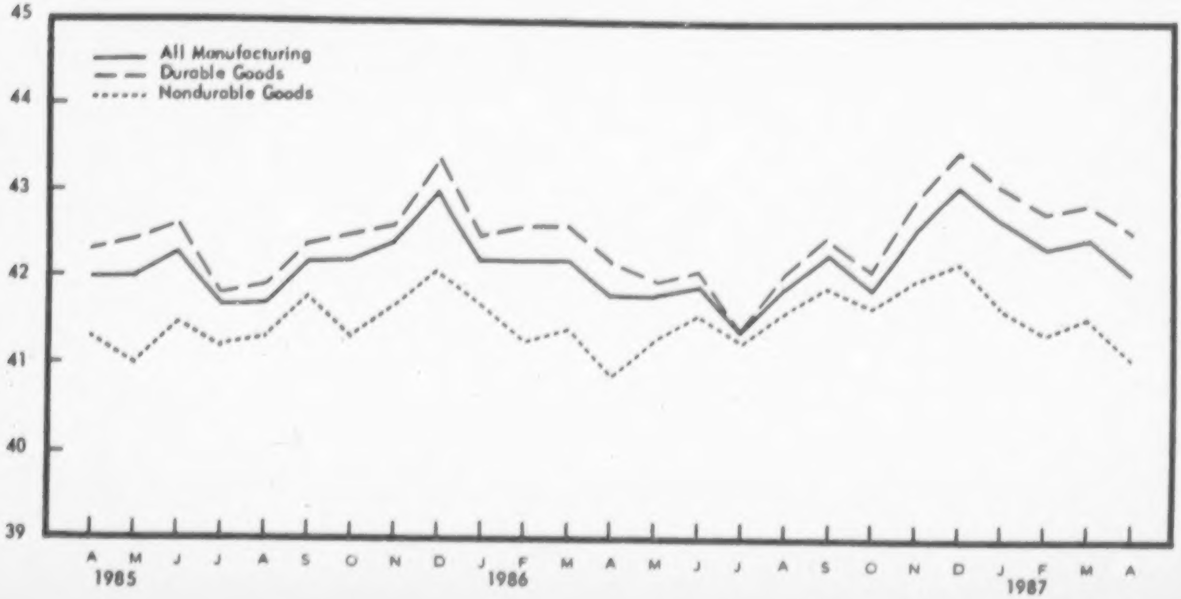
See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

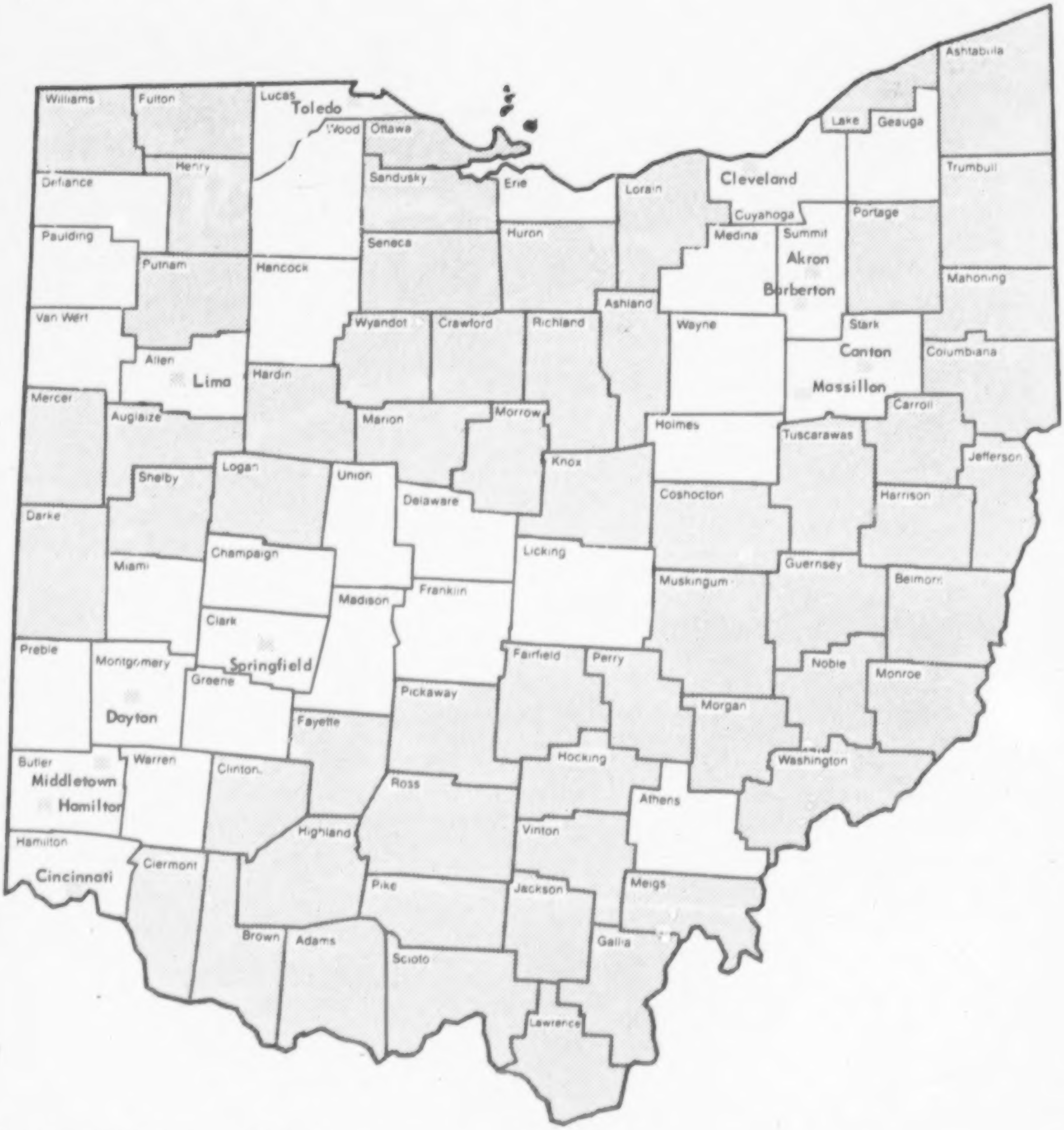
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MINING	$526.64	$539.22	$511.17	42.3	43.0	43.1	$12.45	$12.54	$11.86
Bituminous coal and lignite mining	636.20	647.50	611.94	41.5	42.1	41.6	15.33	15.38	14.71
CONSTRUCTION	537.54	561.41	580.39	37.2	38.4	38.9	14.45	14.62	14.92
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	552.90	533.33	523.67	41.2	40.1	40.5	13.42	13.30	12.93
Communication	551.36	521.14	510.24	41.3	39.6	39.8	13.35	13.16	12.82
Electric, gas, and sanitary services	555.67	549.58	539.79	41.1	40.8	41.3	13.52	13.47	13.07
WHOLESALE TRADE	368.77	368.77	365.38	38.9	38.9	39.5	9.48	9.46	9.25
Wholesale trade-durable goods	365.04	365.82	362.06	39.0	39.0	39.7	9.36	9.38	9.12
Wholesale trade-nondurable goods	375.39	373.84	371.62	38.7	38.7	39.2	9.70	9.66	9.48
RETAIL TRADE[i]	158.48	158.48	155.04	28.2	28.0	28.5	5.62	5.66	5.44
General merchandise stores	177.56	176.87	179.08	29.3	28.9	29.6	6.06	6.12	6.05
Department stores	183.16	181.76	184.14	29.4	28.9	29.7	6.23	6.29	6.20
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.35	256.09	247.68	....	....	....	.....	.....	.....
Credit agencies other than banks	250.73	248.67	246.13	....	....	....	.....	.....	.....
Insurance carriers	343.83	340.87	324.04	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	326.99	325.69	314.63	33.4	33.2	33.4	9.79	9.81	9.42

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Money payments only, tips not included. [h] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



LABOR SURPLUS AREAS IN OHIO


Williams
Fulton
Lucas
Toledo
Wood
Ottawa
Ashtabula
Lake
Geauga
Henry
Defiance
Sandusky
Erie
Lorain
Cleveland
Trumbull
Cuyahoga
Portage
Paulding
Huron
Medina
Summit
Seneca
Akron
Putnam
Hancock
Barberton
Mahoning
Ashland
Van Wert
Wyandot
Crawford
Richland
Wayne
Stark
Canton
Columbiana
Allen
Lima
Hardin
Massillon
Mercer
Augiaize
Marion
Morrow
Holmes
Carroll
Tuscarawas
Jefferson
Knox
Shelby
Logan
Union
Delaware
Coshocton
Harrison
Darke
Champaign
Licking
Guernsey
Miami
Belmont
Muskingum
Madison
Franklin
Clark
Preble
Springfield
Fairfield
Perry
Noble
Monroe
Montgomery
Greene
Pickaway
Morgan
Dayton
Fayette
Hocking
Washington
Butler
Warren
Clinton
Middletown
Ross
Hamilton
Athens
Highland
Vinton
Hamilton
Ciermont
Cincinnati
Pike
Jackson
Meigs
Brown
Adams
Scioto
Gallia
Lawrence

[a] As defined by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period April 1, 1987 through September 30, 1987. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1984 through December 1985 must be at least 9.0 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 9.0 percent.

Cities

Akron
Barberton
Canton
Cincinnati
Cleveland
Dayton
East Cleveland
Hamilton
Lima
Massillon
Middletown
Norwood
Springfield
Toledo

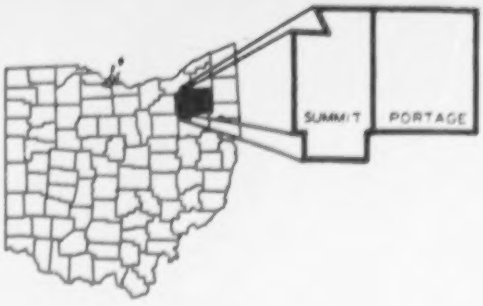
Counties

Adams
Ashland
Ashtabula
Auglaize
Belmont
Brown
Carroll
Clermont
Clinton
Columbiana
Coshocton
Crawford
Darke
Fairfield
Fayette
Fulton
Gallia
Guernsey
Hardin
Harrison
Henry
Highland
Hocking
Huron
Jackson
Jefferson
Knox
Lake
Lawrence
Logan
Lorain
Mahoning
Marion
Meigs
Mercer
Monroe
Morgan
Morrow
Muskingum
Noble
Ottawa
Perry
Pickaway
Pike
Portage
Putnam
Richland
Ross
Sandusky
Scioto
Seneca
Shelby
Trumbull
Tuscarawas
Vinton
Washington
Williams
Wyandot

Questions about Labor Surplus Areas may be directed to Dixie Sommers, Director, Labor Market Information Division, at the address shown below, phone (614) 481-5783, or to the following Labor Market Analysts:

City	Name	Phone No.
Akron/Canton	W. Keith Fletcher	(216) 434-2141
Bowling Green	Don Wonnell	(419) 354-2559
Cincinnati	Gary M. Flesch	(513) 852-3124
Cleveland	Thomas P. Buescher	(216) 622-3550
Steubenville	Pietro N. Scaffidi	(614) 283-4165
Youngstown	Donald E. Curry	(216) 744-5201

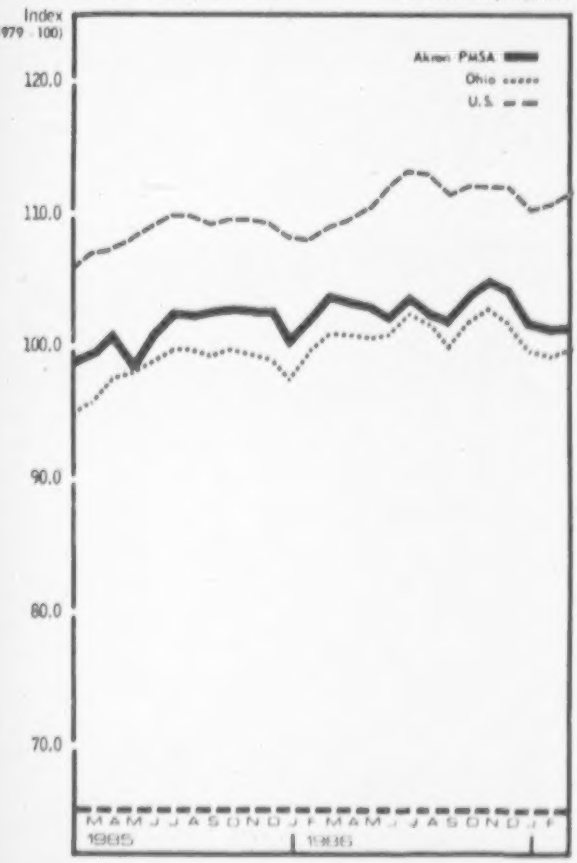
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



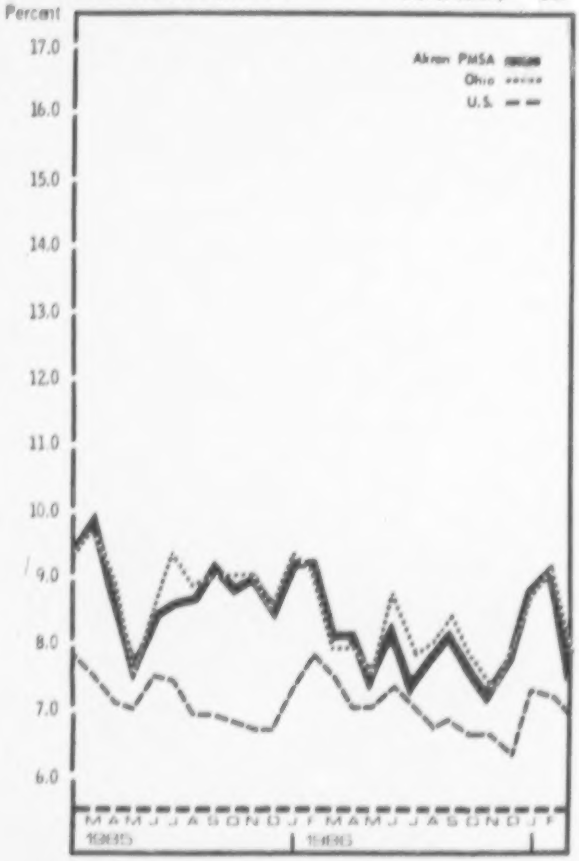
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 263,900 in April, an advancement of 3,400 from March. Nonmanufacturing industries paced the expansion. Substantial seasonal increases in construction, services, and retail trade added 3,200 jobs. Employment was unchanged in manufacturing, at 65,300. Production workers in manufacturing averaged a 42.8 hour workweek at $11.30 per hour, unchanged from the previous month.

Nonfarm wage and salary employment increased 4,900 between April 1986 and April 1987. Nonmanufacturing industries recorded sizable improvements in employment. Expansion in retail trade, services, and construction accounted for the growth. Deep reductions in rubber and miscellaneous plastics products, especially tires and inner tubes, and smaller reductions in fabricated metal products and nonelectrical machinery contributed to the loss of 1,800 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally



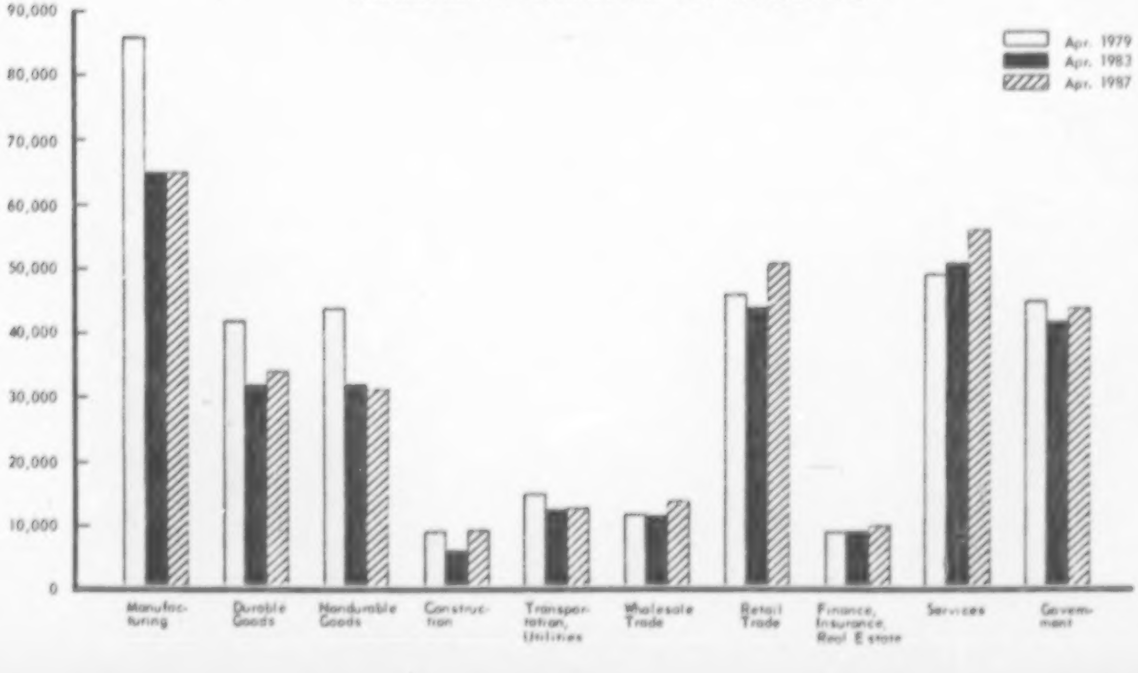
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
322.3	296.2	26.1	8.1	March	256.0	66.7	36.2	485.90	43.5	11.17
320.2	294.2	26.1	8.1	April	259.0	67.1	36.5	476.87	43.0	11.09
317.3	293.7	23.6	7.4	May	262.0	67.2	36.5	475.58	43.0	11.06
318.0	291.7	26.3	8.3	June	259.8	67.5	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.30
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
INA	INA	INA	INA	April	263.9	65.3	35.4	483.64	42.8	11.30

INA–information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	263.9	260.5	259.0	3.4	4.9
MANUFACTURING	65 3	65.2	67.1	.0	-1.8
Durable Goods[e]	34.0	34.2	35.0	- .1	-1.0
Fabricated metal products	12.3	12.3	13.0	.0	- .7
Machinery, except electrical	8.9	9.1	9.5	- .2	- .5
Metalworking machinery	3.0	3.0	3.1	.0	- .1
Nondurable Goods[e]	31.3	31.1	32.1	.2	- .8
Food and kindred products	2.7	2.7	2.7	.0	.0
Chemicals and allied products	2.9	2.9	2.9	.0	.0
Rubber and misc. plastics products	20.0	19.9	21.1	.1	-1.1
Tires and inner tubes	12.7	12.8	14.2	.0	-1.4
NONMANUFACTURING[f]	198.6	195.2	191.9	3.4	6.7
CONSTRUCTION	9.0	7.9	8.1	1.1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.1	12.9	.1	.4
Communication, electric, gas services	5.4	5.4	5.3	.0	.1
WHOLESALE TRADE	13.9	13.7	13.5	.2	.4
RETAIL TRADE	51.3	50.3	49.3	1.0	2.0
General merchandise stores	6.3	6.4	6.4	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	10.4	10.2	9.9	.2	.5
Banking	3.1	3.1	3.1	.0	.0
SERVICES	56.4	55.3	54.4	1.1	2.0
Business services	10.7	10.6	10.1	.1	.6
Amusement and recreation services	2.7	2.3	2.7	.4	- .1
Health services	17.7	17.7	17.5	.1	.3
GOVERNMENT	43.8	44.1	43.2	- .3	.6
State government	15.7	15.9	15.1	- .2	.6
State government education	12.8	12.9	12.2	- .2	.5
State government, except education	2.9	2.9	2.9	.0	.0
Local government	25.7	25.8	25.7	- .1	.0
Local government education	14.2	14.5	14.1	- .3	.1
Local government, except education	11.5	11.3	11.6	.2	- .1

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

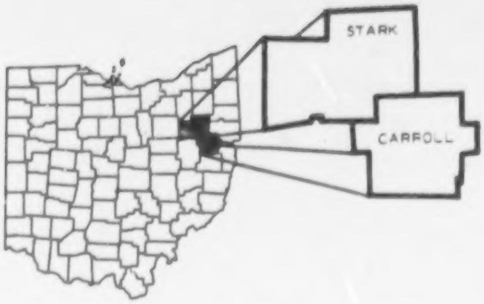
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$483.64	$483.64	$476.87	42.8	42.8	43.0	$11.30	$11.30	$11.09
Durable Goods[e]	501.98	504.31	494.25	43.2	43.4	43.7	11.62	11.62	11.31
Fabricated metal products	596.82	606.06	606.58	43.5	44.4	44.7	13.72	13.65	13.57
Machinery, except electrical	472.87	463.99	440.47	45.6	44.7	44.9	10.37	10.36	9.81
Metalworking machinery	463.19	461.25	459.36	45.5	45.0	46.4	10.18	10.25	9.90
Nondurable Goods[f]	458.96	454.44	450.66	42.3	42.0	42.0	10.85	10.82	10.73
Food and kindred products	484.00	434.03	441.57	44.0	40.3	40.4	11.00	10.77	10.93
Chemicals and allied products	472.15	454.66	444.72	41.2	40.2	40.8	11.46	11.31	10.90
Rubber and misc. plastics products	490.60	484.63	487.52	44.0	43.7	44.0	11.15	11.09	11.08
Tires and inner tubes	699.57	699.10	714.82	46.7	46.7	49.4	14.98	14.97	14.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	561.91	537.88	533.58	41.5	40.2	40.7	13.54	13.38	13.11
WHOLESALE TRADE	321.10	315.00	326.87	38.0	37.5	38.5	8.45	8.40	8.49
RETAIL TRADE[h]	197.51	196.88	182.11	31.4	31.5	30.2	6.29	6.25	6.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	2,428	2,726	2,655
Active File of Job Seekers	20,989	21,145	25,879
Referrals to Jobs	1,256	1,281	1,632
Placements	256	173	283
Job Openings Received	1,181	1,237	767
Job Openings Unfilled	2,076	1,400	1,140
Unemployment Insurance Program			
Initial Claims	3,109	3,217	3,002
Continued Claims	37,262	39,601	36,875
First Payments	1,338	1,664	1,232
Last Payments	524	416	573
Weeks Compensated	31,956	31,820	30,142
Benefits Paid	$4,798,764	$4,756,988	$4,441,370
Average Weekly Payment	$153.63	$152.45	$150.56

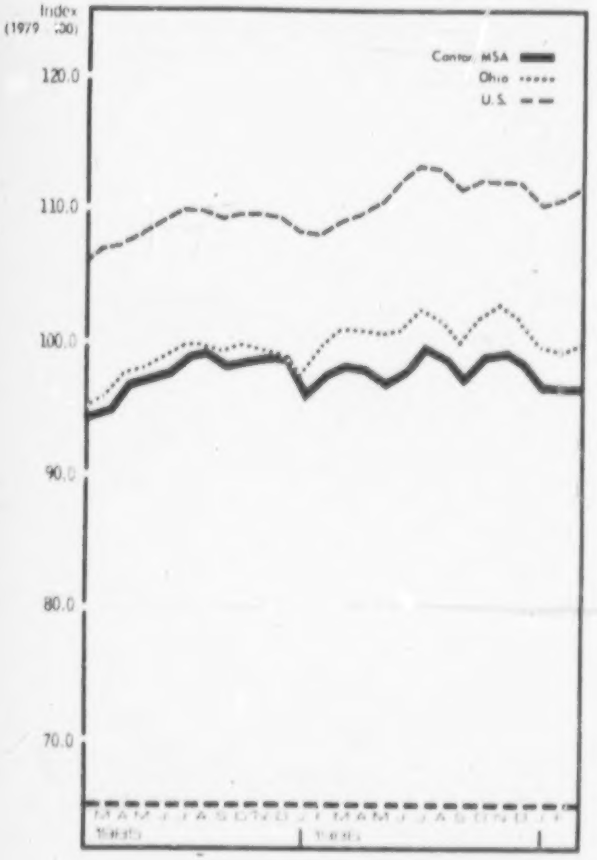
CANTON
METROPOLITAN STATISTICAL AREA



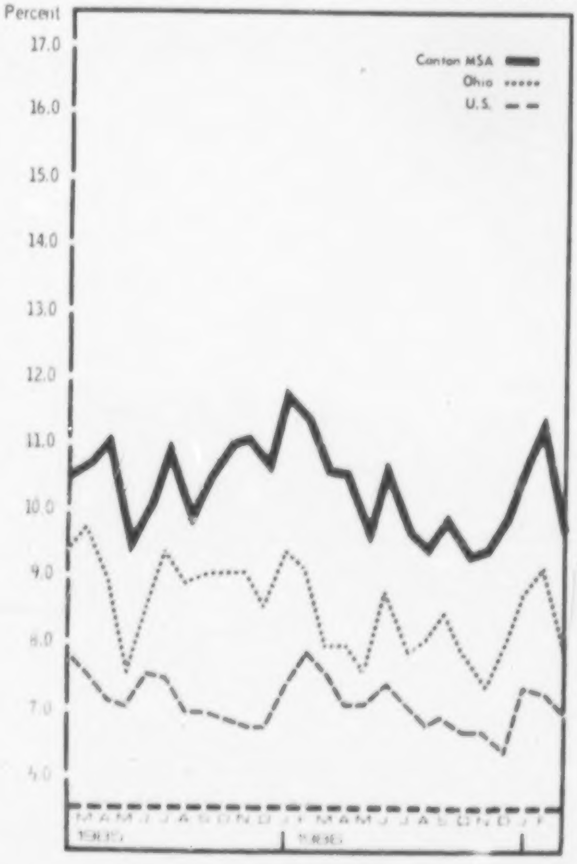
Nonagricultural wage and salary employment in the Canton metropolitan area totaled 153,900 in April, an increase of 2,200 from March. Seasonal increases in services, construction, and retail trade were responsible for the expansion in nonmanufacturing. Manufacturing employment was virtually unchanged at 42,800. Manufacturing production workers averaged a 41.7 hour workweek, down .3 hours from March. Average hourly earnings, at $11.38, were up slightly from the previous month.

Between April 1986 and April 1987, nonagricultural wage and salary employment in the Canton area registered a growth of 2,800 jobs. Nonmanufacturing employment rose sharply as major growth took place in retail trade, services, and construction. Significant declines in metal forgings and stampings contributed to the overall loss of 1,200 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



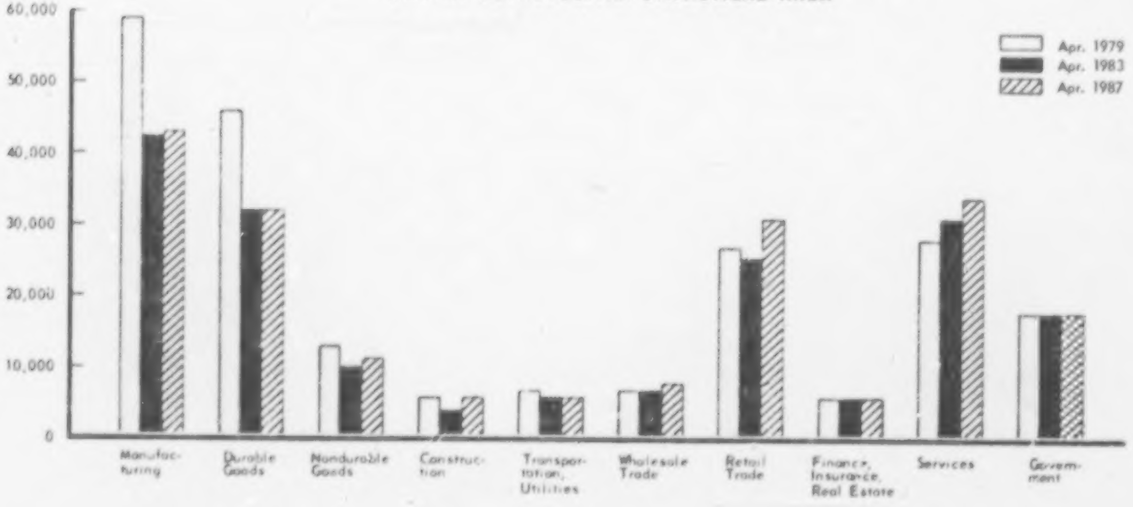
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
191.7	171.4	20.2	10.6	March	149.0	44.0	31.3	447.12	40.1	11.15
190.6	170.7	19.9	10.5	April	151.1	44.0	31.4	442.89	39.9	11.10
188.2	170.1	18.0	9.6	May	152.6	44.2	31.6	444.09	39.9	11.13
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	16.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
INA	INA	INA	INA	April	153.9	42.8	30.2	474.55	41.7	11.38

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	153.9	151.7	151.1*	2.2	2.8
MANUFACTURING	42.8	42.7	44.0	.1	-1.2
Durable Goods[e]	31.6	31.5	32.9	.1	-1.3
Primary metal industries	10.2	10.1	10.2	.1	.1
Fabricated metal products	6.4	6.6	7.0	- .2	- .7
Metal forgings and stampings	2.1	2.2	2.6	- .1	- .5
Nondurable Goods[f]	11.2	11.2	11.1	.1	.1
Food and kindred products	3.7	3.7	3.5	.0	.2
Rubber and misc. plastics products	2.7	2.7	2.8	.0	- .1
NONMANUFACTURING[g]	111.1	109.0	107.2	2.1	4.0
CONSTRUCTION	5.7	4.9	4.8	.7	.8
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.9	5.8	.1	.1
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.1	8.0	7.9	.1	.2
Wholesale trade-durable goods	4.5	4.5	4.5	.0	.1
RETAIL TRADE	31.1	30.5	29.5	.6	1.6
General merchandise stores	3.9	3.7	3.6	.1	.3
Food stores	5.1	5.1	4.9	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.4	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.4	33.6	33.1	.8	1.3
Health services	14.7	14.6	14.1	.1	.6
GOVERNMENT	18.4	18.6	18.6	- .2	- .1
State government (includes education)	1.7	1.7	1.8	.0	.0
Local government	15.3	15.5	15.4	- .2	- .1
Local government education	9.3	9.5	9.3	- .2	.0
Local government, except education	6.0	6.0	6.1	.0	- .1

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

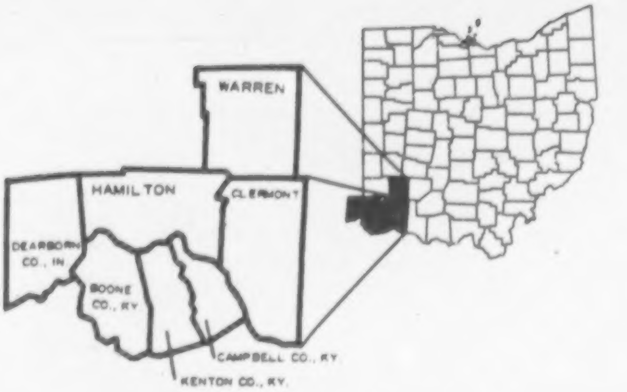
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$474.55	$477.12	$442.89	41.7	42.0	39.9	$11.38	$11.36	$11.10
Durable Goods[e]	497.62	501.08	463.45	42.1	42.5	40.3	11.82	11.79	11.50
Primary metal industries	574.18	572.75	469.85	44.1	44.4	37.8	13.02	12.90	12.43
Fabricated metal products	481.31	480.06	502.52	41.6	41.6	42.3	11.57	11.54	11.88
Metal forgings and stampings	641.57	627.06	607.77	42.8	42.0	40.9	14.99	14.93	14.86
Nondurable Goods[f]	408.22	404.60	379.08	40.7	40.5	38.8	10.03	9.99	9.77
Food and kindred products	435.72	433.06	405.99	41.3	41.6	39.0	10.55	10.41	10.41
Rubber and misc. plastics products	432.41	425.11	421.94	41.9	41.8	40.3	10.32	10.17	10.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	540.70	526.82	510.14	40.9	40.4	40.2	13.22	13.04	12.69
WHOLESALE TRADE	362.60	366.55	351.62	37.0	37.1	36.4	9.80	9.88	9.66
RETAIL TRADE[h]	155.27	151.72	156.16	28.7	28.2	28.6	5.41	5.38	5.46

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, machinery except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile mill products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	1,416	1,609	1,660
Active File of Job Seekers	15,780	15,933	20,428
Referrals to Jobs	1,090	1,116	1,006
Placements	163	115	302
Job Openings Received	368	355	559
Job Openings Unfilled	472	388	400
Unemployment Insurance Program			
Initial Claims	2,733	2,316	2,682
Continued Claims	25,565	29,184	31,454
First Payments	840	1,014	1,021
Last Payments	510	372	525
Weeks Compensated	21,305	22,495	25,637
Benefits Paid	$3,161,054	$3,307,791	$3,789,645
Average Weekly Payment	$152.70	$151.18	$151.97

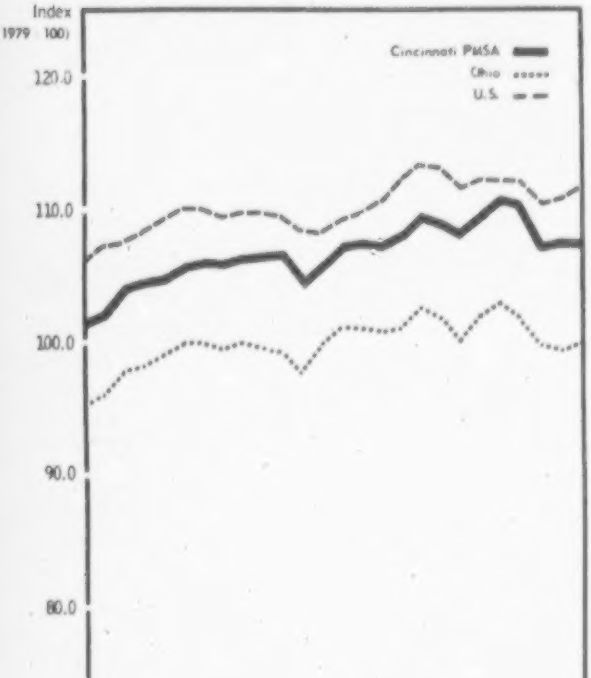
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



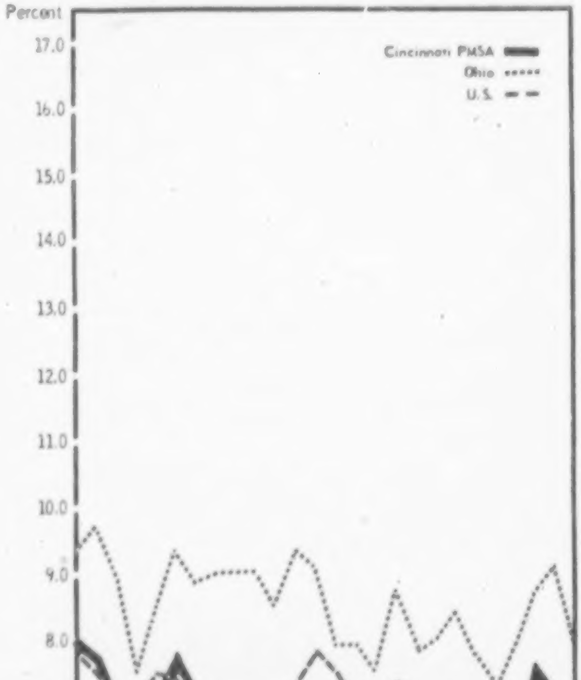
Nonfarm wage and salary employment in the Cincinnati metropolitan area was 671,300 in April, up 14,100 from March. Nonmanufacturing employment increased 10,700, to 524,000. Seasonal expansion in services, especially amusement and recreation services; retail trade; and construction contributed most to the change. Manufacturing employment increased 3,400, to 147,400, due to returns from temporary shutdowns in motor vehicles and equipment. Manufacturing production workers earned an average of $10.98 per hour, up $.10. Their average workweek was 41.9 hours, down .6 hours.

Since April 1986, nonfarm employment rose 26,500. Although all nonmanufacturing industries recorded growth, significant gains were noted in services, particularly health and business services, and in retail trade. Manufacturing was 400 employees higher over the year, with growth in nondurable goods, especially paper and allied products. Durable goods declined, with losses in nonelectrical machinery more than offsetting gains in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



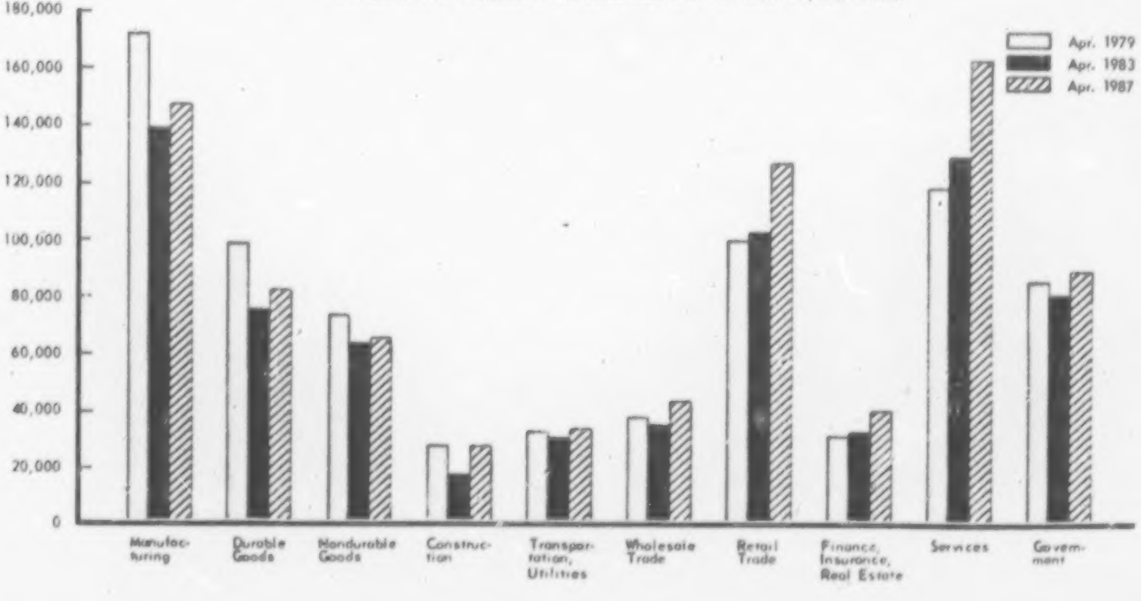
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	1 6.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
720.2	674.8	45.5	6.3	March	633.2	147.0	94.8	449.35	41.8	10.75
721.9	676.4	45.5	6.3	April	644.9	147.0	94.4	441.74	41.4	10.67
721.6	673.3	48.3	6.7	May	649.0	144.2	91.8	444.56	41.9	10.61
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.95
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
725.7	673.8	51.9	7.1	March	657.2	143.9	91.6	462.40	42.5	10.88
INA	INA	INA	INA	April	671.3	147.4	95.1	460.06	41.9	10.98

INA: information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	671.3	657.2	644.9	14.1	26.5
MANUFACTURING	147.4	143.9	147.0	3.4	.4
Durable Goods[e]	81.7	78.0	82.1	3.7	- .4
Fabricated metal products	10.7	10.8	10.8	- .1	.0
Fabricated structural metal products	4.1	4.1	3.9	.0	.2
Machinery, except electrical	19.7	19.8	21.4	- .1	- 1.7
Metalworking machinery	8.1	8.2	9.2	.0	- 1.1
General industrial machinery	2.7	2.7	3.0	.0	- .3
Electric and electronic equipment	7.3	6.9	7.7	.3	- .5
Transportation equipment	28.9	25.6	27.7	3.2	1.2
Motor vehicles and equipment	8.3	5.1	8.7	3.2	- .4
Nondurable Goods[f]	65.7	65.9	64.9	- .2	.8
Food and kindred products	13.0	13.0	12.7	.0	.3
Beverages	3.7	3.7	3.7	.0	.0
Apparel and other textile products	3.6	3.6	3.4	.0	.1
Paper and allied products	6.5	6.6	6.0	- .1	.5
Printing and publishing	13.2	13.2	13.0	.0	.2
Commercial printing	5.7	5.7	5.5	.0	.2
Chemicals and allied products	22.1	22.2	21.8	- .1	.3
Rubber and misc. plastics products	5.4	5.4	5.3	.0	.1
NONMANUFACTURING[g]	524.0	513.3	497.9	10.7	26.1
CONSTRUCTION	27.2	25.3	24.7	1.9	2.4
TRANSPORTATION AND PUBLIC UTILITIES	34.5	33.9	33.4	.6	1.0
Trucking and warehousing	9.2	9.1	9.2	.1	.1
Communication, electric, gas services	15.3	15.2	14.8	.1	.5
WHOLESALE TRADE	44.4	44.2	41.9	.2	2.5
Wholesale trade-durable goods	26.7	26.6	25.2	.1	1.5
RETAIL TRADE	126.5	123.8	120.0	2.6	6.5
General merchandise stores	18.7	18.6	18.1	.1	.6
FINANCE, INSURANCE, AND REAL ESTATE	39.6	39.1	37.3	.4	2.3
Banking	8.3	8.2	8.0	.0	.2
Insurance carriers	13.0	12.9	12.2	.1	.8
SERVICES	162.8	158.4	153.6	4.5	9.2
Hotels and other lodging places	6.6	6.2	6.1	.3	.4
Personal services	8.6	8.5	8.1	.1	.5
Business services	37.5	36.7	34.7	.8	2.8
Amusement and recreation services	8.4	6.4	7.9	2.0	.5
Health services	51.0	50.6	48.1	.3	2.8
Hospitals	24.5	24.4	23.2	.1	1.3
GOVERNMENT	88.8	88.2	86.7	.5	2.1
Federal government	15.0	14.7	14.7	.3	.3
State government	20.0	19.7	19.8	.2	.1
State government education	11.9	11.8	12.1	.1	- .2
State government, except education	8.1	7.9	7.7	.1	.4
Local government	53.8	53.8	52.2	.0	1.6
Local government education	32.0	32.3	30.5	- .3	1.6
Local government, except education	21.7	21.4	21.7	.3	.1

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$460.06	$462.40	$441.74	41.9	42.5	41.4	$10.98	$10.88	$10.67
Durable Goods[e]	459.48	460.75	450.43	42.0	42.9	41.9	10.94	10.74	10.75
Fabricated metal products	423.55	410.98	385.28	43.8	42.9	40.9	9.67	9.58	9.42
Fabricated structural metal products	446.78	415.25	416.07	44.5	42.2	41.9	10.04	9.84	9.93
Machinery, except electrical	412.16	415.25	426.86	42.1	42.2	42.9	9.79	9.84	9.95
Metalworking machinery	444.57	448.59	464.53	42.3	42.2	42.5	10.51	10.63	10.93
General industrial machinery	407.93	421.47	423.64	44.1	44.6	44.5	9.25	9.45	9.52
Electric and electronic equipment	357.38	341.78	354.08	40.2	40.4	40.1	8.89	8.46	8.83
Transportation equipment	629.58	681.03	633.24	43.3	47.0	44.5	14.54	14.49	14.23
Motor vehicles and equipment	686.53	791.01	695.98	43.7	49.5	44.5	15.71	15.98	15.64
Nondurable Goods[f]	461.74	463.52	431.01	41.9	42.1	40.7	11.02	11.01	10.59
Food and kindred products	485.47	493.00	445.46	43.0	43.9	41.4	11.29	11.23	10.76
Beverages	521.22	515.42	500.17	42.0	41.6	41.2	12.41	12.39	12.14
Apparel and other textile products	216.50	219.65	212.25	38.2	38.4	37.7	5.72	5.72	5.63
Paper and allied products	419.67	427.65	400.66	41.8	42.3	40.8	10.04	10.11	9.82
Printing and publishing	447.02	446.06	431.55	39.7	39.3	38.6	11.26	11.35	11.18
Commercial printing	486.60	486.26	484.79	43.1	42.1	41.4	11.29	11.55	11.71
Chemicals and allied products	549.53	548.68	514.50	43.1	43.0	42.0	12.75	12.76	12.25
Rubber and misc. plastics products	414.65	406.75	348.84	44.3	44.6	40.8	9.36	9.12	8.55
TRANSPORTATION AND PUBLIC UTILITIES	******	******	******	****	****	****	*****	*****	*****
Communication, electric, gas services	531.07	517.72	511.83	39.9	39.4	39.8	13.31	13.14	12.86
WHOLESALE TRADE	378.65	384.75	379.49	39.9	40.5	40.5	9.49	9.50	9.37
RETAIL TRADE[h]	163.30	162.44	160.31	28.7	28.7	29.2	5.69	5.66	5.49
FINANCE, INSURANCE, AND REAL ESTATE	******	******	******	****	****	****	*****	*****	*****
Banking	258.54	255.37	248.47	****	****	****	*****	*****	*****

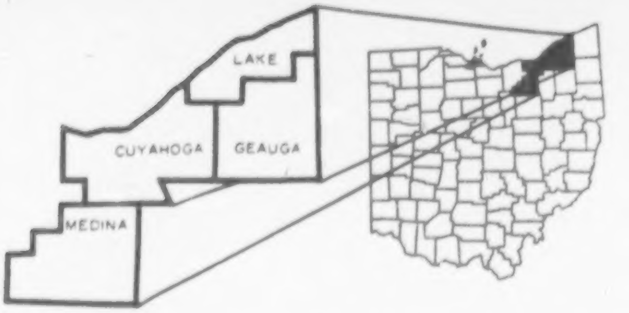
[a]See Technical Notes for concepts [b]Preliminary [c]Revised [d]Based on unrounded figures [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products [g]Includes mining [h]Money payments only, tips not included [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education [j]Depressed due to labor-management disputes

Selected Administrative Program Activities[a]

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	2,961	3,313	4,274
Active File of Job Seekers	20,842	24,055	31,141
Referrals to Jobs	1,984	2,015	2,384
Placements	375	366	573
Job Openings Received	1,970	1,215	1,566
Job Openings Unfilled	2,909	1,873	2,204
Unemployment Insurance Program			
Initial Claims	4,485	8,768	4,544
Continued Claims	48,079	61,373	50,697
First Payments	1,565	2,495	1,904
Last Payments	667	646	732
Weeks Compensated	37,031	49,471	41,129
Benefits Paid	$5,353,082	$7,558,136	$5,963,579
Average Weekly Payment	$147.46	$155.31	$147.78

[a]Ohio data only

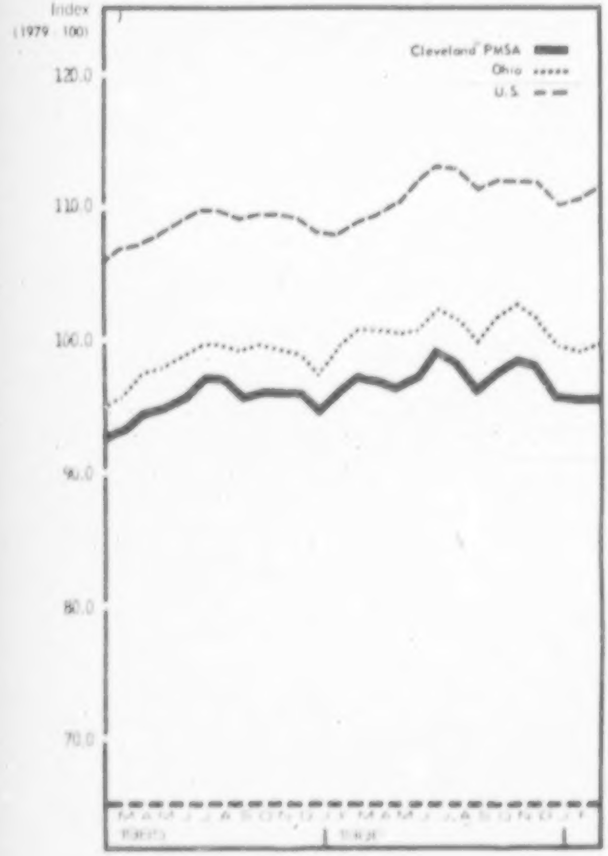
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



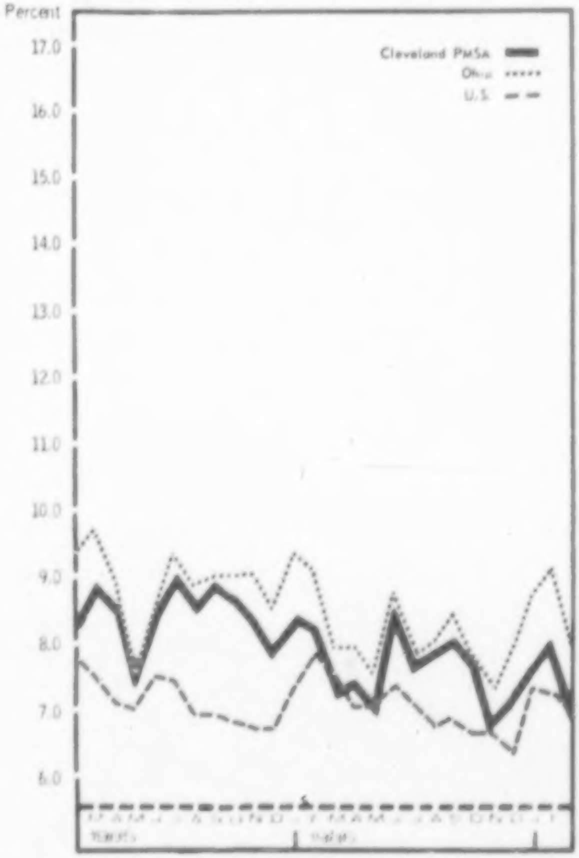
The Cleveland metropolitan area nonagricultural wage and salary employment advanced 12,300 from March, to 893,200 in April. Nonmanufacturing employment rose 12,000, to 689,400. Growth in retail trade, construction, business services, and amusement and recreation services contributed most to the increase. Manufacturing employment improved slightly, up 200. Increases were noted in fabricated metal products, primary metal industries, and food and kindred products. Factory production workers earned an average of $11.63 per hour, little changed from March. Their average workweek was slightly shorter, at 42.8 hours.

Nonfarm employment increased 19,300 since April 1986. Although nearly all nonmanufacturing sectors reflected gains, significant growth was recorded in services, chiefly business services and health services; retail trade; and finance, insurance, and real estate. Manufacturing employment declined 2,500 over the period. Reductions in nonelectrical machinery and instruments and related products overshadowed advances in printing and publishing.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



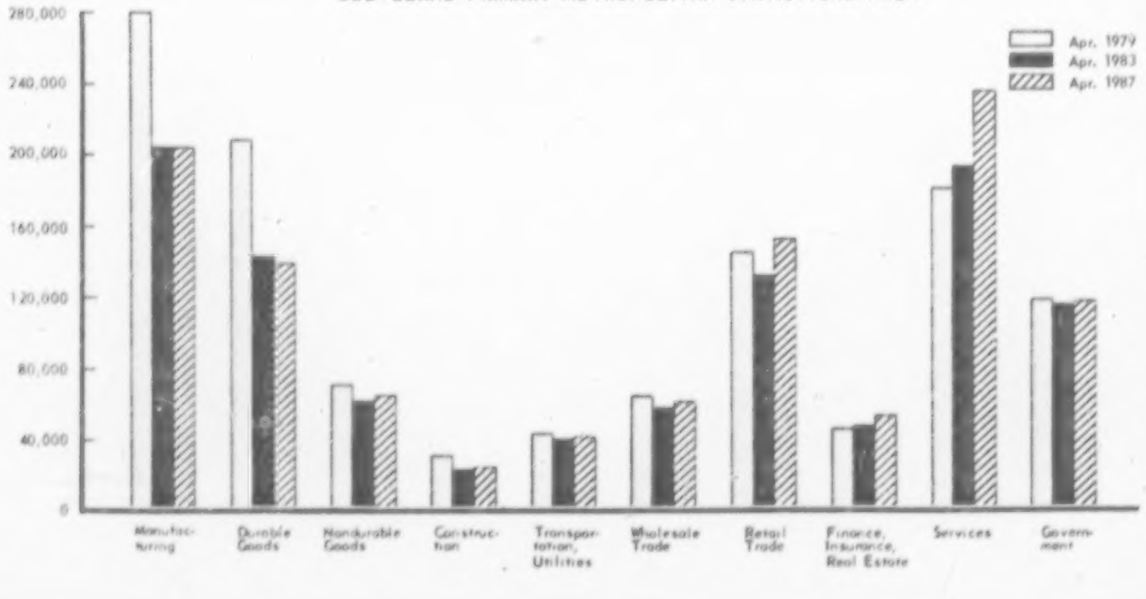
Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
932.5	866.1	66.5	7.1	March	860.7	205.6	132.7	487.60	42.4	11.50
929.7	862.1	67.6	7.3	April	874.0	206.3	133.3	479.76	41.9	11.45
919.8	857.4	62.4	6.8	May	880.6	206.1	133.2	472.69	41.5	11.39
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
913.5	850.1	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
INA	INA	INA	INA	April	893.2	203.9	130.9	497.76	42.8	11.63

INA: information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	893.2	881.0	874.0	12.3	19.3
MANUFACTURING	203.9	203.6	206.3	.2	- 2.5
Durable Goods[f]	139.0	138.9	142.7	.1	- 3.7
Primary metal industries	21.1	21.1	21.5	.1	- .4
Iron and steel foundries	5.3	5.4	5.6	.0	- .3
Fabricated metal products	32.4	32.3	32.6	.2	- .2
Fabricated structural metal products	3.7	3.6	3.8	.1	.0
Screw machine products, bolts, etc	4.7	4.7	4.7	.1	.0
Metal forgings and stampings	11.5	11.4	11.2	.1	.3
Machinery, except electrical	29.9	30.0	31.1	- .1	- 1.2
Construction and related machinery	2.4	2.5	2.5	- .1	- .1
Metalworking machinery	9.9	9.9	10.1	.0	- .2
Special industry machinery	3.3	3.4	3.3	- .1	.0
General industrial machinery	2.7	2.7	2.9	.0	- .2
Electric and electronic equipment	19.0	19.1	19.6	- .1	- .6
Electrical industrial apparatus	6.5	6.6	6.8	- .1	- .3
Transportation equipment	19.4	19.5	20.0	- .0	- .6
Motor vehicles and equipment	12.3	12.4	12.6	- .1	- .3
Instruments and related products	6.5	6.5	7.8	.0	- 1.3
Measuring and controlling devices	4.1	4.2	4.2	- .1	- .1
Nondurable Goods[f]	64.9	64.7	63.6	.1	1.3
Food and kindred products	6.7	6.8	6.6	.1	.2
Apparel and other textile products	4.2	4.2	4.4	.0	- .2
Paper and allied products	5.5	5.5	5.3	.0	.2
Printing and publishing	16.8	16.7	16.0	.0	.7
Chemicals and allied products	14.8	14.7	14.4	.0	.4
Rubber and misc. plastics products	11.9	12.0	11.7	- .1	.2
NONMANUFACTURING[g]	689.4	677.3	667.8	12.0	21.7
CONSTRUCTION	25.1	22.9	24.4	2.1	.6
TRANSPORTATION AND PUBLIC UTILITIES	41.5	40.9	40.9	.6	.6
Trucking and warehousing	11.9	11.7	11.1	.2	.8
Communication, electric, gas services	18.6	18.5	18.6	.0	- .1
WHOLESALE TRADE	62.2	61.8	62.5	.4	- .3
Wholesale trade-durable goods	43.1	42.8	43.7	.4	- .6
RETAIL TRADE	153.2	150.5	148.4	2.7	4.8
General merchandise stores	19.9	19.8	19.4	.2	.5
FINANCE, INSURANCE, AND REAL ESTATE	54.0	53.5	50.9	.5	3.1
Banking	13.2	13.2	12.8	.0	.4
Credit agencies other than banks	9.0	9.0	8.2	.0	.8
Insurance carriers	13.0	12.9	12.3	.1	.7
SERVICES	235.0	229.3	223.6	5.8	11.5
Business services	53.0	51.4	49.4	1.5	3.6
Amusement and recreation services	7.8	6.5	7.9	1.3	- .1
Health services	74.1	73.7	70.7	.5	3.4
Hospitals	42.9	42.6	40.3	.4	2.6
GOVERNMENT	117.5	117.6	115.9	.0	1.6
Federal government	20.2	20.1	20.0	.1	.2
State government	8.8	8.5	8.5	.2	.3
State government education	3.2	3.3	3.1	- .1	.1
State government, except education	5.5	5.2	5.3	.3	.2
Local government	88.5	88.9	87.4	- .4	1.1
Local government education	42.8	43.8	42.8	- .9	.0
Local government, except education	45.7	45.1	44.6	.5	1.1

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

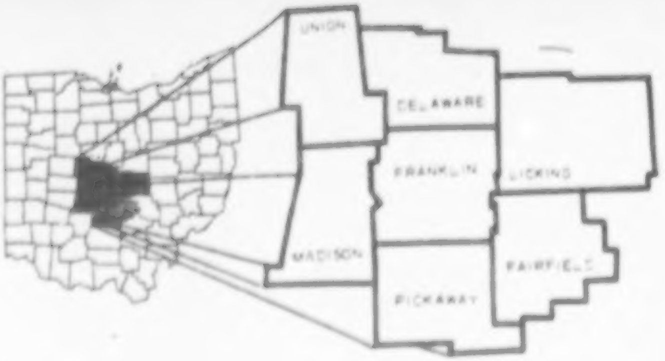
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$497.76	$498.07	$479.76	42.8	42.9	41.9	$11.63	$11.61	$11.45
Durable Goods[e]	531.65	532.88	513.83	43.4	43.5	42.5	12.25	12.25	12.09
Primary metal industries	645.89	632.96	571.30	46.3	45.8	42.1	13.95	13.82	13.57
Iron and steel foundries	873.44	838.63	801.71	51.5	49.8	48.5	16.96	16.84	16.53
Fabricated metal products	531.96	542.21	500.64	44.0	44.7	42.9	12.09	12.13	11.67
Fabricated structural metal products	398.23	388.33	404.12	42.5	41.4	43.5	9.37	9.38	9.29
Screw machine products, bolts, etc.	467.21	481.05	438.96	43.3	44.5	42.7	10.79	10.81	10.28
Metal forgings and stampings	690.43	697.73	656.21	47.0	47.4	45.3	14.69	14.72	14.53
Machinery, except electrical	483.36	488.63	473.61	42.4	42.9	42.4	11.40	11.39	11.17
Construction and related machinery	399.17	386.67	400.86	44.6	43.3	41.8	8.95	8.93	9.58
Metalworking machinery	410.34	412.48	400.18	39.8	40.4	39.7	10.31	10.21	10.08
Special industry machinery	482.33	484.33	464.54	40.6	40.7	40.5	11.88	11.90	11.47
General industrial machinery	494.12	487.01	454.76	44.0	43.6	42.7	11.23	11.17	10.65
Electric and electronic equipment	429.86	428.90	418.24	40.4	40.5	40.1	10.64	10.59	10.43
Electrical industrial apparatus	474.01	450.02	444.11	41.8	40.8	40.3	11.34	11.03	11.02
Transportation equipment	658.01	667.22	704.56	44.4	44.6	46.6	14.82	14.96	15.12
Motor vehicles and equipment	678.26	690.40	740.47	43.9	44.2	46.6	15.45	15.62	15.89
Instruments and related products	376.54	395.06	394.88	40.1	41.5	40.5	9.39	9.52	9.75
Measuring and controlling devices	386.80	417.92	373.03	40.0	42.3	39.8	9.67	9.88	9.37
Nondurable Goods[f]	415.07	414.83	392.12	41.3	41.4	40.3	10.05	10.02	9.73
Food and kindred products	394.90	388.09	376.38	43.3	42.6	41.0	9.12	9.11	9.18
Apparel and other textile products	317.20	322.00	276.82	40.0	40.3	36.4	7.93	7.99	7.60
Paper and allied products	459.14	458.89	445.73	42.2	42.1	42.9	10.88	10.90	10.39
Printing and publishing	416.70	416.18	394.50	38.3	38.9	37.5	10.88	10.70	10.52
Chemicals and allied products	512.16	487.72	477.05	43.7	42.3	41.7	11.72	11.53	11.44
Rubber and misc. plastics products	379.18	391.53	363.79	42.7	43.6	42.4	8.88	8.98	8.58
TRANSPORTATION AND PUBLIC UTILITIES[g]	******	******	******	****	****	****	*****	*****	*****
Communication, electric, gas services	577.80	552.27	544.79	41.9	40.4	40.9	13.79	13.67	13.32
WHOLESALE TRADE	389.78	387.83	383.11	38.9	38.9	38.7	10.02	9.97	9.90
RETAIL TRADE[h]	179.28	178.48	173.68	28.1	27.8	27.7	6.38	6.42	6.27
FINANCE, INSURANCE, AND REAL ESTATE	******	******	******	****	****	****	*****	*****	*****
Banking	296.69	292.56	292.22	****	****	****	*****	*****	*****
SERVICES	******	******	******	****	****	****	*****	*****	*****
Health services	******	******	******	****	****	****	*****	*****	*****
Hospitals[i]	340.63	333.72	332.33	33.2	32.4	33.4	10.26	10.30	9.95

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, stone, clay and glass products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	7,218	8,145	5,421
Active File of Job Seekers	74,707	75,018	117,898
Referrals to Jobs	2,901	2,547	2,615
Placements	646	395	585
Job Openings Received	1,544	1,255	1,540
Job Openings Unfilled	2,507	1,988	2,401
Unemployment Insurance Program			
Initial Claims	7,035	7,111	7,554
Continued Claims	78,781	86,880	90,204
First Payments	3,050	3,698	3,163
Last Payments	1,313	1,217	1,801
Weeks Compensated	69,393	72,829	74,885
Benefits Paid	$10,595,470	$10,963,440	$11,325,882
Average Weekly Payment	$152.80	$153.17	$153.76

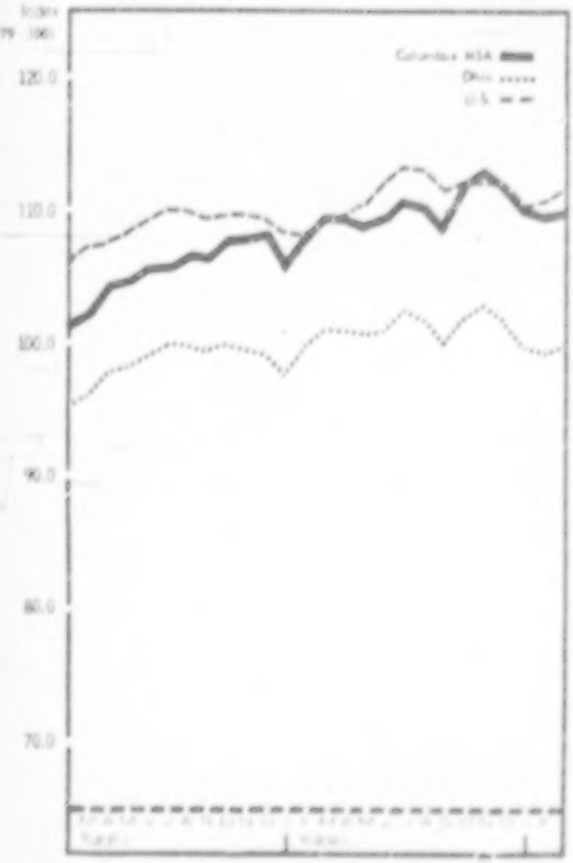
COLUMBUS
METROPOLITAN STATISTICAL AREA



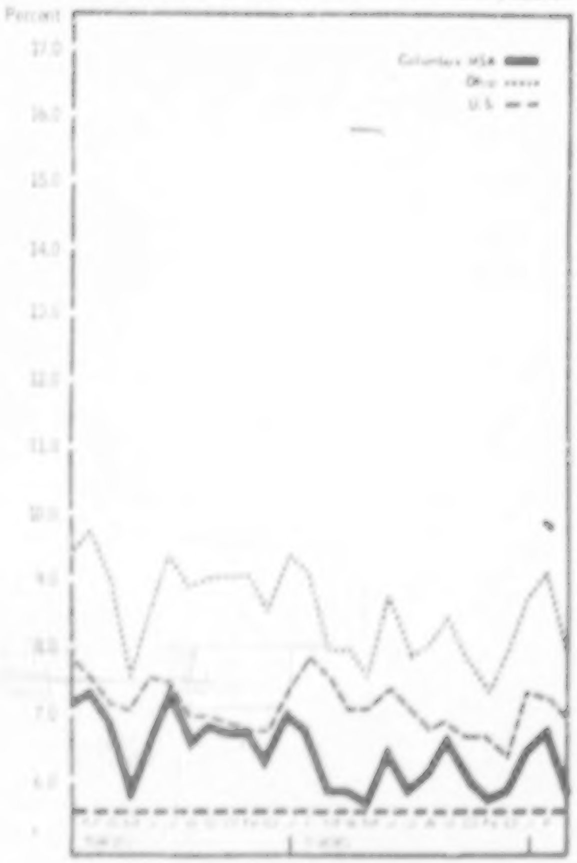
Nonagricultural wage and salary employment in the Columbus area was 650,900 in April, up 8,300 from March. Nonmanufacturing increased 9,000, to 547,600, with seasonal growth in services, especially business services; construction; and retail trade. Manufacturing employment, at 103,300, was 600 below the March level, with losses in transportation equipment, fabricated metal products, and electric and electronic equipment. Manufacturing production workers earned an average of $11.40 per hour, down $.05. Their average workweek was 41.1 hours, down .6 hours.

Since April 1986, nonfarm employment increased 26,500. Although all nonmanufacturing industries recorded gains, significant growth was recorded in services, especially business and health services, and retail trade. Manufacturing lost 3,300 workers, with reductions in fabricated metal products; stone, clay, and glass products; transportation equipment; and electric and electronic equipment. Nondurable-goods industries recorded scattered gains over the year.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



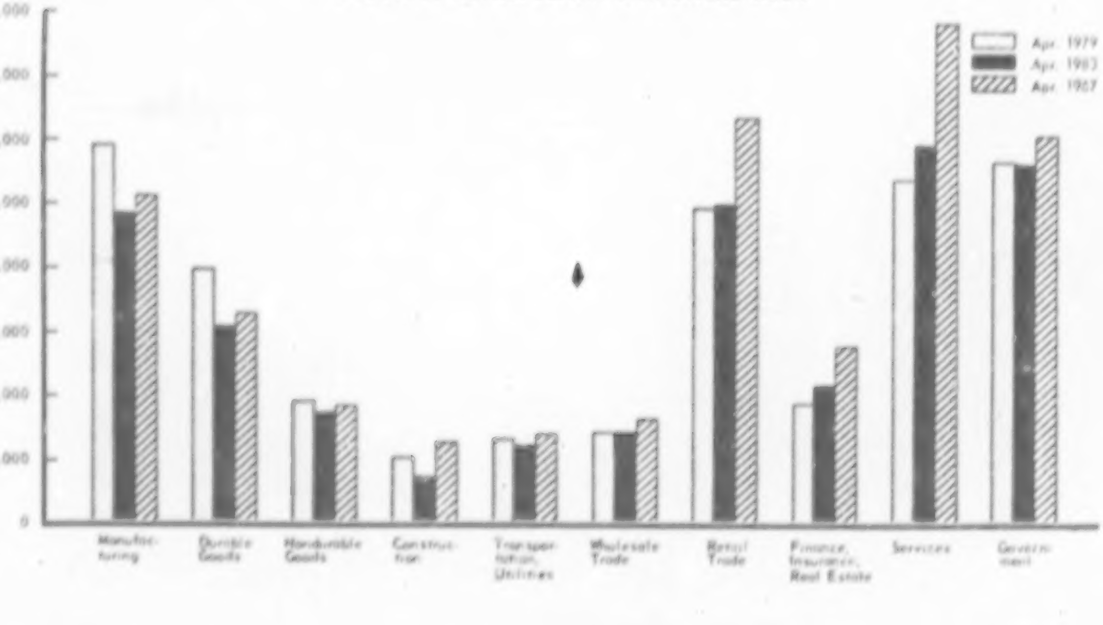
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.8	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.8	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
672.5	633.3	39.2	5.8	March	613.9	106.2	70.9	460.50	41.3	11.15
671.3	632.2	39.1	5.8	April	624.3	106.6	71.3	462.44	41.4	11.17
667.4	629.7	37.7	5.6	May	630.2	106.3	70.9	461.44	41.2	11.20
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.0	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	649.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.0	634.8	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
INA	INA	INA	INA	April	650.9	103.3	68.4	468.54	41.1	11.40

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	650.9	642.5	624.3	8.3	26.5
MANUFACTURING	103.3	103.9	106.6	- .6	- 3.3
Durable Goods'	66.2	67.1	70.4	- .8	- 4.1
Stone, clay, and glass products	10.8	10.8	11.7	.0	- .9
Glass and glassware, pressed or blown	4.5	4.6	4.6	- .1	- .1
Fabricated metal products	9.3	9.4	10.5	- .2	- 1.2
Fabricated structural metal products	2.8	2.8	3.1	.0	- .3
Machinery, except electrical	9.3	9.4	9.7	- .1	- .4
Electric and electronic equipment	10.7	11.0	11.6	- .2	- .8
Transportation equipment	14.8	15.2	15.7	- .4	- .9
Instruments and related products	4.1	4.1	4.2	.0	- .1
Nondurable Goods'	37.1	36.9	36.2	.2	.8
Food and kindred products	10.1	10.1	9.8	.0	.3
Printing and publishing	9.8	9.8	9.6	.0	.2
Chemicals and allied products	7.2	7.1	7.1	.1	.1
Rubber and misc. plastics products	5.5	5.5	5.3	.0	.2
NONMANUFACTURING'	547.6	538.6	517.7	9.0	29.8
CONSTRUCTION	25.7	23.4	22.8	2.2	2.9
TRANSPORTATION AND PUBLIC UTILITIES	26.5	28.0	26.5	.4	2.0
Trucking and warehousing	11.3	11.2	10.5	.1	.8
Communication, electric, gas services	12.3	12.2	11.5	.1	.8
WHOLESALE TRADE	32.7	32.5	31.9	.2	.8
Wholesale trade-durable goods	21.4	21.2	20.8	.2	.5
RETAIL TRADE	126.8	124.7	121.6	2.1	5.2
General merchandise stores	17.1	17.3	16.7	- .2	.4
FINANCE, INSURANCE, AND REAL ESTATE	55.5	55.3	52.6	.3	2.9
Banking	11.7	11.7	11.2	- .1	.4
Insurance carriers	21.3	21.2	20.9	.1	.4
SERVICES	156.2	152.5	143.3	3.7	12.9
Business services	35.3	34.1	31.1	1.2	4.2
Health services	39.6	39.4	37.6	.2	2.0
Hospitals	17.2	17.2	16.4	.1	.8
GOVERNMENT	121.2	121.3	118.1	.0	3.1
Federal government	15.5	15.5	15.6	.0	- .1
State government	53.9	53.8	52.1	.1	1.7
State government education	23.3	23.6	22.8	- .2	.6
State government, except education	30.6	30.3	29.4	.3	1.2
Local government	51.8	51.9	50.4	- .1	1.4
Local government education	31.2	31.5	30.2	- .3	1.0
Local government, except education	20.6	20.5	20.2	.1	.4

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$468.54	$477.47	$462.44	41.1	41.7	41.4	$11.40	$11.45	$11.17
Durable Goods[e]	480.73	489.90	480.38	41.3	41.8	41.7	11.64	11.72	11.52
Stone, clay and glass products	481.15	475.60	485.85	41.3	41.0	41.0	11.65	11.60	11.85
Glass and glassware, pressed or blown	414.09	401.32	461.04	39.4	38.7	40.8	10.51	10.37	11.30
Fabricated metal products	504.70	495.32	493.29	40.8	40.5	40.5	12.37	12.23	12.18
Fabricated structural metal products	485.31	449.82	420.86	43.1	42.0	41.1	11.26	10.71	10.24
Machinery, except electrical	416.56	459.06	402.73	39.9	42.0	39.1	10.44	10.93	10.30
Electric and electronic equipment	460.22	441.69	454.51	40.8	39.9	40.8	11.28	11.07	11.14
Transportation equipment	568.08	604.35	588.01	43.2	45.0	46.3	13.15	13.43	12.70
Instruments and related products	437.64	434.50	395.75	42.0	41.9	40.3	10.42	10.37	9.82
Nondurable Goods[f]	445.40	449.76	422.06	40.9	41.3	40.7	10.89	10.89	10.37
Food and kindred products	448.93	441.83	408.00	41.3	41.1	40.8	10.87	10.75	10.00
Printing and publishing	494.16	495.74	491.53	38.1	38.4	39.6	12.97	12.91	12.35
Chemicals and allied products	526.54	536.34	501.23	41.2	42.0	41.7	12.76	12.77	12.02
Rubber and misc. plastics products	363.66	361.56	324.82	43.5	43.3	40.3	8.36	8.35	8.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	570.46	543.10	532.36	41.7	40.2	40.3	13.68	13.51	13.21
WHOLESALE TRADE	343.66	345.98	320.19	38.1	38.4	38.3	9.02	9.01	8.36
RETAIL TRADE[h]	167.76	167.72	167.02	28.1	28.0	28.6	5.97	5.99	5.84
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	254.75	255.09	240.81	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	322.22	321.10	312.74	33.6	33.8	33.7	9.59	9.50	9.28

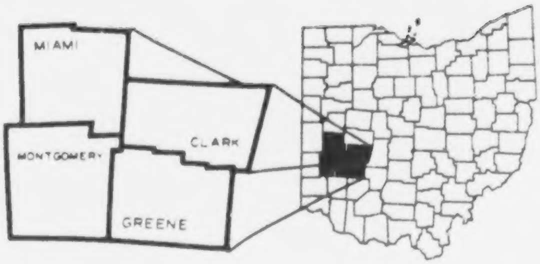
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
EMPLOYMENT SERVICE PROGRAM			
New Applicants	6,249	5,291	5,613
Active File of Job Seekers	36,056	37,475	44,884
Referrals to Jobs	4,824	2,870	2,757
Placements	666	576	704
Job Openings Received	3,036	2,258	2,122
Job Openings Unfilled	6,461	5,149	5,812
Unemployment Insurance Program			
Initial Claims	4,633	4,767	4,773
Continued Claims	47,925	53,126	47,760
First Payments	1,802	2,263	1,939
Last Payments	674	602	693
Weeks Compensated	42,774	44,067	39,510
Benefits Paid	$6,517,067	$6,656,769	$5,740,860
Average Weekly Payment	$155.52	$153.94	$145.14

DAYTON - SPRINGFIELD

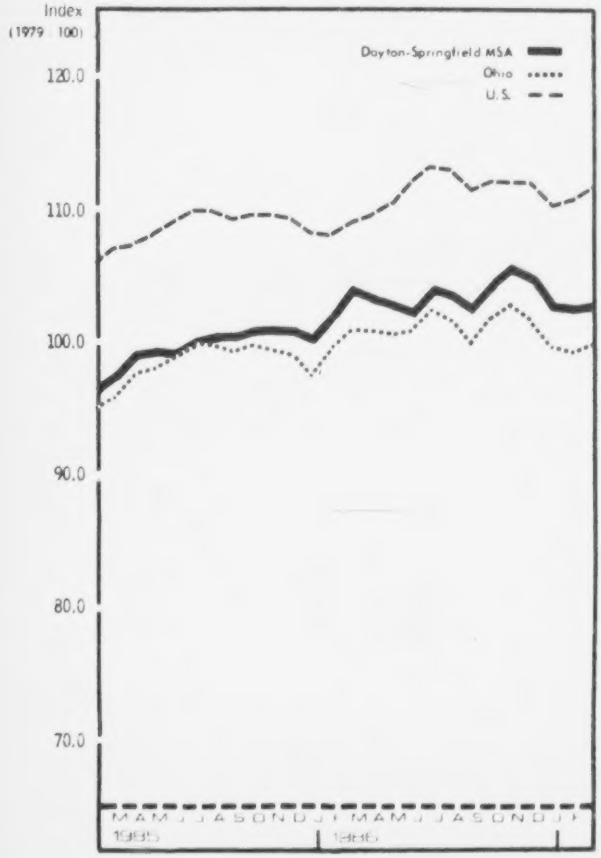
METROPOLITAN STATISTICAL AREA



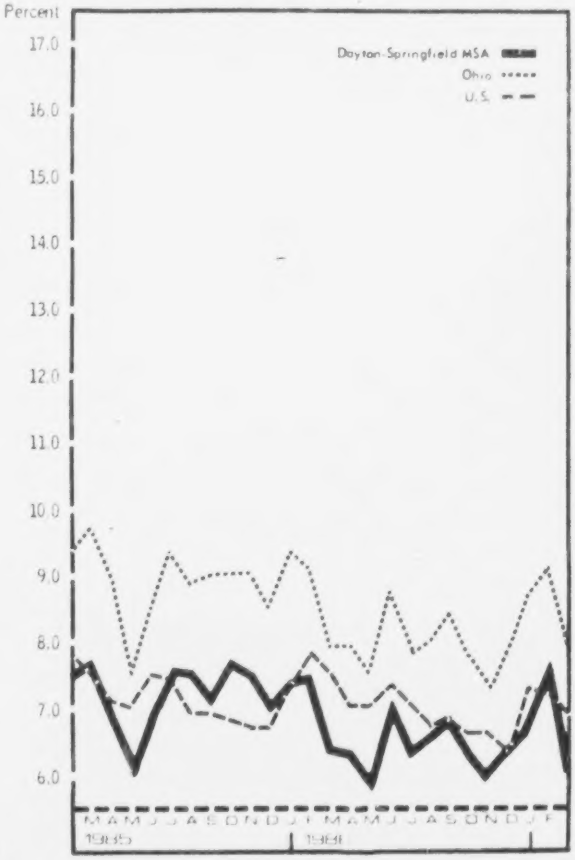
Nonagricultural wage and salary employment in the Dayton-Springfield metropolitan area in April 1987 was 431,900, up 5,600 from March. Nonmanufacturing employment increased 5,300 over the month. Seasonal expansion in services, construction, and retail trade contributed most to the change. Manufacturing employment, at 105,300, was up 400. Production workers in manufacturing earned an average of $11.78 per hour, down $.07 from the previous month. The average workweek, at 41.2 hours, was down .5 hours from March.

From April 1986 to April 1987, nonagricultural employment rose 13,600. Employment increased in nearly all nonmanufacturing industries, with the largest gains in services, especially business services, retail trade; and construction. Manufacturing employment was reduced by 100 over the year. Losses in nonelectrical machinery and rubber and miscellaneous plastics products more than offset employment gains in electric and electronic equipment, food processing, paper and allied products, and printing and publishing.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



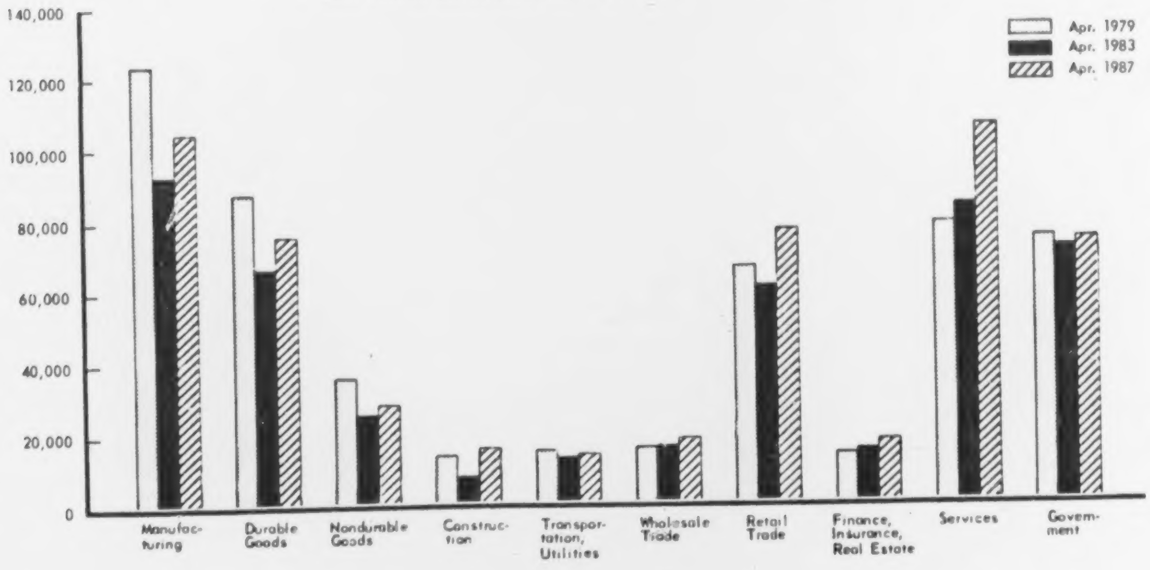
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
463.7	434.1	29.6	6.4	March	413.0	105.5	68.1	526.44	43.4	12.13
460.3	431.5	28.9	6.3	April	418.3	105.3	68.1	510.85	42.5	12.02
455.4	428.8	26.6	5.8	May	421.1	106.2	68.5	515.31	42.8	12.04
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.6	429.9	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
INA	INA	INA	INA	April	431.9	105.3	68.0	485.34	41.2	11.78

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	431.9	426.2	418.3	5.6	13.6
MANUFACTURING	105.3	104.9	105.3	.4	- .1
Durable Goods[e]	75.9	75.8	75.9	.1	.0
Fabricated metal products	8.3	8.3	8.2	.0	.1
Machinery except electrical	30.6	30.3	31.7	.2	- 1.2
Metalworking machinery	6.6	6.6	7.1	.0	- .6
General industrial machinery	2.5	2.2	2.6	.3	- .1
Electric and electronic equipment	6.1	6.1	5.1	.0	.9
Electrical industrial apparatus	3.6	3.6	2.9	.0	.7
Transportation equipment	21.7	21.9	21.7	- .1	.0
Nondurable Goods[f]	29.3	29.1	29.4	.2	.0
Food and kindred products	3.1	3.0	2.8	.1	.3
Paper and allied products	5.9	5.9	5.7	.0	.2
Printing and publishing	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	7.9	7.7	8.6	.2	- .7
NONMANUFACTURING[g]	326.6	321.4	313.0	5.3	13.7
CONSTRUCTION	16.6	15.0	13.8	1.6	2.8
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.7	14.5	.2	.4
Communication, electric, gas services	5.8	5.8	5.9	.0	- .1
WHOLESALE TRADE	18.9	18.8	18.8	.0	.1
Wholesale trade-durable goods	13.1	13.0	12.8	.0	.3
RETAIL TRADE	77.3	75.7	74.2	1.6	3.1
General merchandise stores	11.1	11.2	11.4	.0	- .2
FINANCE, INSURANCE, AND REAL ESTATE	17.9	17.7	17.1	.1	.8
Banking	4.3	4.3	4.2	- .1	.1
Credit agencies other than banks	4.6	4.5	4.4	.1	.2
Insurance carriers	2.8	2.8	2.9	.0	- .1
SERVICES	106.2	104.5	100.1	1.7	6.1
Business services	25.7	25.1	23.1	.7	2.6
Health services	34.9	34.9	34.1	.0	.8
Hospitals	18.1	18.2	17.9	- .1	.2
Educational services	7.4	7.5	7.7	- .1	- .3
GOVERNMENT	74.5	74.5	74.1	.0	.3
Federal government	27.7	27.7	28.1	.0	- .4
State government	7.3	7.2	6.9	.1	.4
State government education	4.4	4.4	4.2	.0	.1
State government, except education	2.9	2.8	2.7	.1	.3
Local government	39.5	39.6	39.2	.0	.4
Local government education	25.0	25.1	24.8	- .1	.2
Local government, except education	14.5	14.4	14.4	.1	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

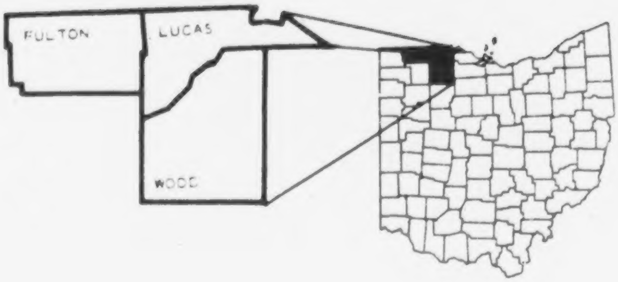
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$485.34	$494.15	$510.85	41.2	41.7	42.5	$11.78	$11.85	$12.02
Durable Goods[e]	489.95	504.11	526.81	41.0	41.8	42.9	11.95	12.06	12.28
Fabricated metal products	368.92	390.73	366.96	40.1	41.7	39.8	9.20	9.37	9.22
Machinery, except electrical	524.58	541.00	530.85	41.6	42.2	42.4	12.61	12.82	12.52
Metalworking machinery	499.90	513.46	517.95	42.4	42.4	45.0	11.79	12.11	11.51
General industrial machinery	393.60	446.61	387.34	38.4	41.2	37.9	10.25	10.84	10.22
Electric and electronic equipment	438.12	433.16	383.57	43.9	44.2	41.2	9.98	9.80	9.31
Electrical industrial apparatus	522.45	520.45	428.28	45.0	47.4	41.5	11.61	10.98	10.32
Transportation equipment	570.45	588.75	662.97	40.4	41.2	45.1	14.12	14.29	14.70
Nondurable Goods[f]	470.79	465.22	466.46	41.7	41.5	41.5	11.29	11.21	11.24
Food and kindred products	344.03	349.45	355.32	41.7	41.9	42.3	8.25	8.34	8.40
Paper and allied products	516.84	493.58	468.38	47.2	46.0	46.1	10.95	10.73	10.16
Printing and publishing	420.74	416.23	405.00	38.6	38.9	38.1	10.90	10.70	10.63
Rubber and misc. plastics products	565.61	565.20	580.56	40.2	40.0	41.0	14.07	14.13	14.16
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	542.53	515.09	513.90	40.7	39.2	39.5	13.33	13.14	13.01
WHOLESALE TRADE	404.74	401.20	372.88	40.8	40.0	39.5	9.92	10.03	9.44
RETAIL TRADE[h]	156.24	156.75	159.14	27.8	27.5	29.2	5.62	5.70	5.45
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	361.49	359.44	334.67	34.2	34.2	33.5	10.57	10.51	9.99

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	2,669	2,725	2,872
Active File of Job Seekers	23,780	24,061	29,888
Referrals to Jobs	1,814	1,709	1,649
Placements	463	268	233
Job Openings Received	915	828	1,034
Job Openings Unfilled	1,942	1,699	1,378
Unemployment Insurance Program			
Initial Claims	2,623	2,717	2,759
Continued Claims	29,696	34,498	33,102
First Payments	1,186	1,431	1,328
Last Payments	546	495	690
Weeks Compensated	27,723	28,784	28,419
Benefits Paid	$3,918,513	$4,060,577	$3,941,845
Average Weekly Payment	$143.08	$143.93	$141.35

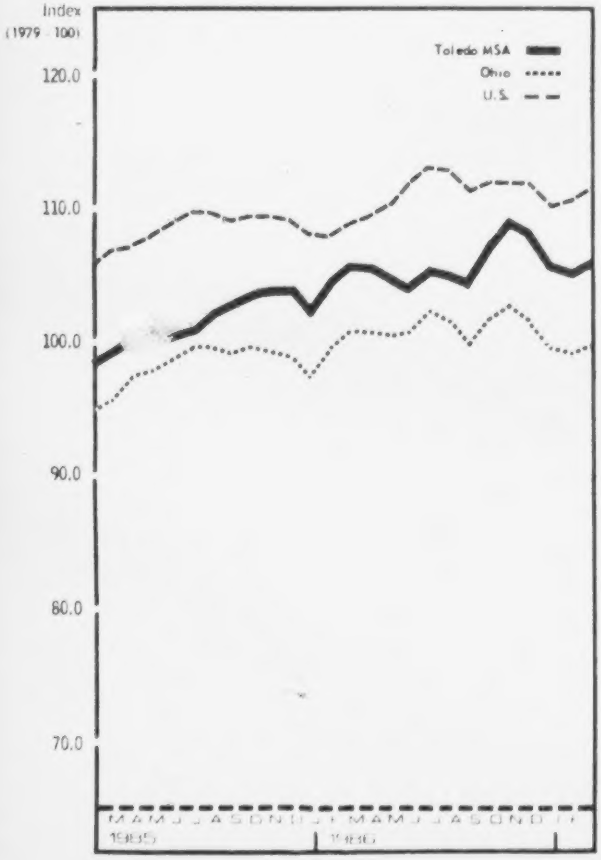
TOLEDO
METROPOLITAN STATISTICAL AREA



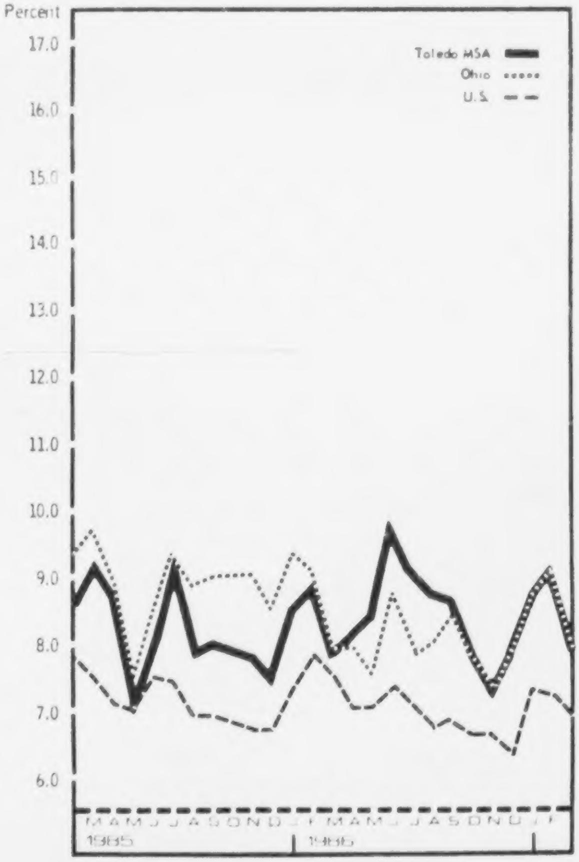
Nonfarm employment in the Toledo area rose 3,900 from the March level, to 282,600 in April. Nonmanufacturing gained 4,000 jobs, with significant increases recorded in services, retail trade, and construction. Manufacturing employment declined slightly, as losses in transportation equipment, electric and electronic equipment, and stone, clay, and glass products more than offset scattered gains in other industries. Manufacturing production workers earned an average of $12.67 per hour, down $.03 from March. Their average workweek of 42.4 hours was .4 hours shorter.

Since April 1986, nonagricultural wage and salary employment increased 11,400. All nonmanufacturing industries showed improvement. However, significant growth was registered in services, primarily health and business services, and in retail trade. Manufacturing lost 1,200 workers over the year due to declines in motor vehicles and equipment and stone, clay, and glass products.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



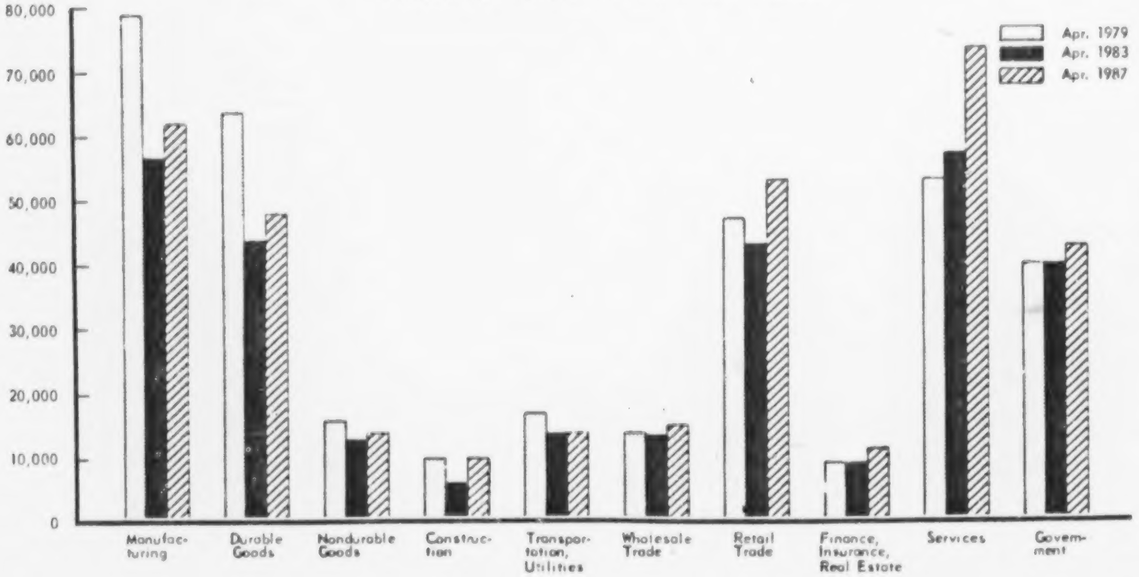
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
306.5	282.7	23.8	7.8	March	266.3	62.9	43.5	529.91	42.7	12.41
306.8	281.9	24.9	8.1	April	271.2	63.7	44.2	516.23	41.8	12.35
306.0	280.1	25.9	8.4	May	273.1	62.8	43.5	524.55	42.2	12.43
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
306.9	282.6	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
INA	INA	INA	INA	April	282.6	62.4	44.2	537.21	42.4	12.67

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	282.6	278.7	271.2	3.9	11.4
MANUFACTURING	62.4	62.5	63.7	- .1	- 1.2
Durable Goods[e]	48.4	48.7	50.0	- .3	- 1.6
Stone, clay, and glass products	7.8	7.9	8.5	- .1	- .7
Primary metal industries	3.4	3.4	3.5	.1	- .1
Fabricated metal products	7.4	7.4	7.5	.1	.0
Metal forgings and stampings	3.2	3.2	3.2	.0	.0
Machinery, except electrical	6.2	6.2	6.0	.0	.2
Electric and electronic equipment	2.8	2.9	3.0	- .1	- .2
Transportation equipment	16.4	16.6	17.3	- .1	- .9
Motor vehicles and equipment	15.5	15.6	16.3	- .1	- .8
Nondurable Goods[f]	14.0	13.9	13.6	.1	.4
Food and kindred products	3.5	3.4	3.2	.1	.3
Rubber and misc. plastics products	3.2	3.3	3.0	.0	.3
NONMANUFACTURING[g]	220.2	216.2	207.5	4.0	12.7
CONSTRUCTION	9.7	9.0	9.0	.7	.7
TRANSPORTATION AND PUBLIC UTILITIES	14.4	14.2	13.7	.2	.7
Trucking and warehousing	5.6	5.6	5.3	.0	.3
Communication, electric, gas services	5.1	5.1	4.8	.0	.3
WHOLESALE TRADE	14.5	14.4	14.4	.2	.1
Wholesale trade-durable goods	9.5	9.5	9.7	.0	- .1
RETAIL TRADE	53.3	52.2	50.7	1.1	2.6
General merchandise stores	6.8	6.7	6.8	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.5	11.4	10.9	.1	.6
Banking	3.6	3.6	3.5	.0	.1
SERVICES	73.5	71.7	66.4	1.8	7.1
Business services	14.1	13.4	12.8	.7	1.3
Health services	29.2	29.0	25.5	.2	3.7
Hospitals	15.4	15.3	14.6	.1	.9
GOVERNMENT	43.1	43.2	42.2	- .1	.8
State government	16.3	16.3	15.9	.0	.4
State government education	12.2	12.3	12.0	- .1	.3
State government, except education	4.1	4.0	4.0	.1	.1
Local government	24.2	24.3	23.7	- .1	.5
Local government education	14.1	14.3	13.6	- .2	.5
Local government, except education	10.1	9.9	10.1	.2	.0

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

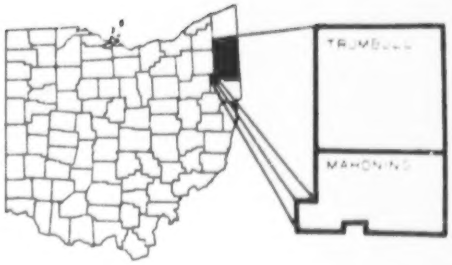
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$537.21	$543.56	$516.23	42.4	42.8	41.8	$12.67	$12.70	$12.35
Durable Goods[e]	562.36	565.02	539.25	42.7	43.0	41.9	13.17	13.14	12.87
Stone, clay and glass products	512.37	524.34	556.10	40.6	40.9	44.1	12.62	12.82	12.61
Primary metal industries	502.30	507.30	485.47	44.1	44.5	43.0	11.39	11.40	11.29
Fabricated metal products	547.18	535.35	492.13	43.6	43.0	41.6	12.55	12.45	11.83
Metal forgings and stampings	672.52	682.86	578.98	46.0	46.9	42.2	14.62	14.56	13.72
Machinery, except electrical	468.13	481.74	457.88	41.1	42.0	41.4	11.39	11.47	11.06
Electric and electronic equipment	512.93	547.83	509.57	41.1	42.9	38.4	12.48	12.77	13.27
Transportation equipment	663.98	670.14	626.80	43.2	43.8	41.4	15.37	15.30	15.14
Motor vehicles and equipment	667.01	672.77	628.17	43.2	43.8	41.3	15.44	15.36	15.21
Nondurable Goods[f]	451.36	464.25	435.34	41.6	41.9	41.5	10.85	11.08	10.49
Food and kindred products	530.37	611.80	470.50	42.6	46.0	41.2	12.45	13.30	11.42
Rubber and misc. plastics products	337.40	310.47	347.36	41.5	39.5	41.6	8.13	7.86	8.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	590.51	580.46	567.95	42.3	41.7	41.7	13.96	13.92	13.62
WHOLESALE TRADE	356.45	351.19	361.92	37.8	37.4	39.0	9.43	9.39	9.28
RETAIL TRADE[h]	160.95	159.60	153.22	29.0	28.5	28.8	5.55	5.60	5.32

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	2,260	2,462	2,469
Active File of Job Seekers	20,742	21,111	27,379
Referrals to Jobs	1,459	1,331	1,048
Placements	311	235	266
Job Openings Received	839	635	482
Job Openings Unfilled	1,306	985	557
Unemployment Insurance Program			
Initial Claims	4,197	3,856	6,690
Continued Claims	32,855	34,235	42,814
First Payments	1,203	1,497	1,763
Last Payments	374	364	357
Weeks Compensated	24,095	26,543	30,504
Benefits Paid	$3,534,397	$3,924,068	$4,646,228
Average Weekly Payment	$149.92	$150.87	$156.12

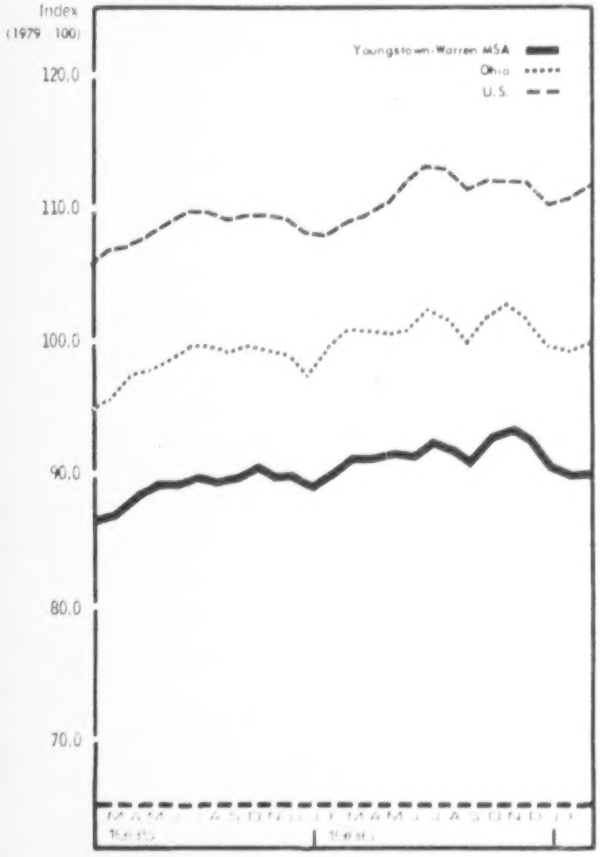
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



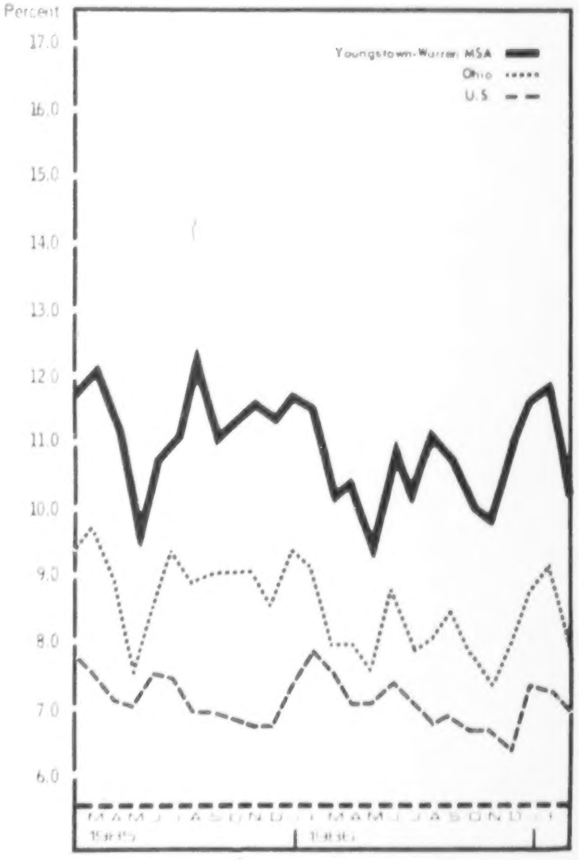
Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 190,900 in April 1987, an increase of 2,200 over the March level. Most of the improvement occurred in nonmanufacturing, with construction, retail trade, and services showing the largest increases. Manufacturing employment rose slightly, to 51,500 in April. Production workers in manufacturing earned $13.33 per hour, down $.06. They had an average workweek of 43.2 hours, down .1 hours from March.

From April 1986 to April 1987, nonagricultural wage and salary employment in the Youngstown-Warren area rose 4,100. The increase occurred in nonmanufacturing, with services, retail trade, and construction showing the greatest gains. Manufacturing employment was down 200 over the year with losses recorded in durable goods, especially transportation equipment, nonelectrical machinery, and fabricated metal products

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



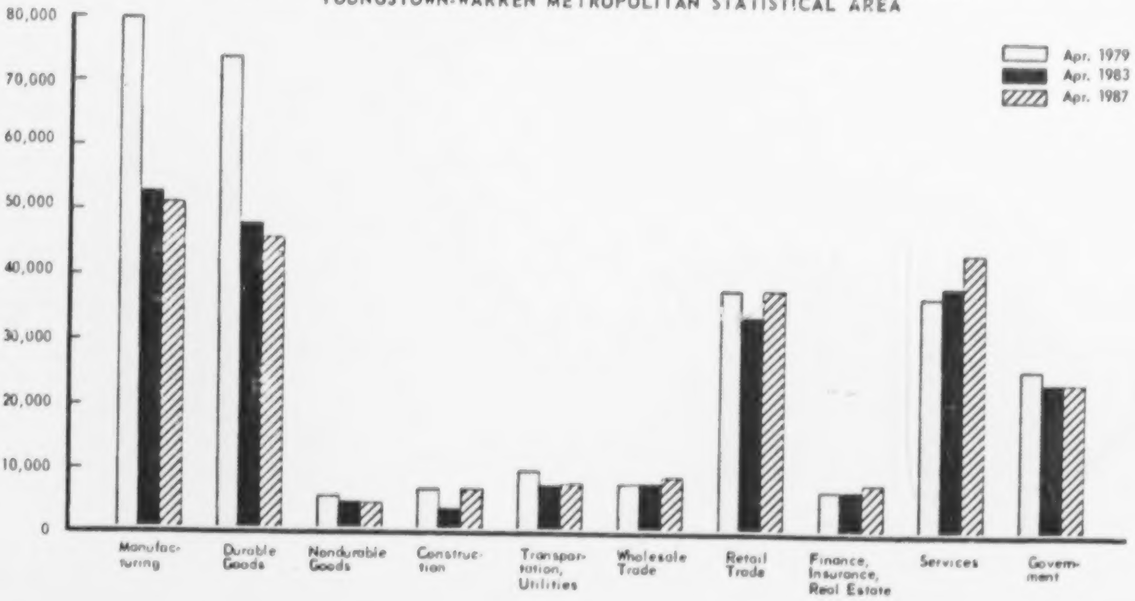
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.75
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
223.2	200.6	22.6	10.1	March	183.4	51.7	38.5	549.61	41.2	13.34
224.0	200.6	23.4	10.4	April	186.7	51.7	38.5	542.93	41.1	13.21
221.9	201.3	20.6	9.3	May	189.8	52.2	39.0	533.79	40.5	13.18
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.4	198.0	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
INA	INA	INA	INA	April	190.9	51.5	38.8	575.86	43.2	13.33

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown - Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	April 1987[b]	March 1987[c]	April 1986[c]	From Last Month	From Last Year
TOTAL	190.9	188.6	186.7	2.2	4.1
MANUFACTURING	51.5	51.4	51.7	.1	- .2
Durable Goods[e]	46.1	46.1	46.6	.0	- .5
Primary metal industries	19.9	19.9	19.5	.0	.3
Blast furnace and basic steel products	6.8	6.7	6.3	.1	.5
Fabricated metal products	7.6	7.6	7.8	- .1	- .2
Machinery, except electrical	3.5	3.5	3.8	.0	- .3
Electric and electronic equipment	2.3	2.3	2.3	.0	.0
Transportation equipment	9.7	9.8	10.1	- .1	- .4
Nondurable Goods[f]	5.4	5.3	5.1	.1	.3
NONMANUFACTURING[g]	139.4	137.2	135.0	2.2	4.3
CONSTRUCTION	7.2	6.1	6.3	1.0	.8
TRANSPORTATION AND PUBLIC UTILITIES	8.0	8.0	7.5	.1	.5
Communication, electric, gas services	3.1	3.1	3.0	.0	.1
WHOLESALE TRADE	9.1	9.0	8.9	.1	.2
Wholesale trade-durable goods	5.9	5.7	5.8	.1	.1
RETAIL TRADE	37.8	37.0	36.9	.9	.9
General merchandise stores	5.4	5.4	5.6	.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.3	8.0	.2	.4
Banking	2.8	2.8	2.8	.0	.0
SERVICES	44.0	43.2	42.5	.8	1.5
Health services	19.5	19.4	18.8	.1	.7
Hospitals	10.2	10.2	10.0	.1	.2
GOVERNMENT	24.3	25.1	24.2	- .9	.1
State government	3.9	4.2	3.9	- .4	.0
State government education	2.4	2.8	2.4	- .4	- .1
State government, except education	1.5	1.5	1.5	.1	.0
Local government	18.4	18.9	18.2	- .5	.1
Local government education	12.0	12.4	11.8	- .5	.2
Local government, except education	6.4	6.4	6.4	.0	.0

Youngstown - Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1987[b]	March 1987[c]	April 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]	Apr. 1987[b]	Mar. 1987[c]	Apr. 1986[c]
MANUFACTURING	$575.86	$579.79	$542.93	43.2	43.3	41.1	$13.33	$13.39	$13.21
Durable Goods[e]	593.34	598.19	560.03	43.5	43.6	41.3	13.64	13.72	13.56
Primary metal industries	605.75	609.76	548.63	42.9	42.7	39.3	14.12	14.28	13.96
Blast furnace and basic steel products	638.48	631.80	497.17	46.0	45.0	36.8	13.88	14.04	13.51
Fabricated metal products	555.49	565.82	555.96	41.3	42.1	41.0	13.45	13.44	13.56
Machinery, except electrical	481.07	480.90	468.76	41.4	42.0	41.3	11.62	11.45	11.35
Electric and electronic equipment	423.44	417.79	414.96	39.5	38.9	39.9	10.72	10.74	10.40
Transportation equipment	733.46	732.89	692.04	48.8	48.6	45.8	15.03	15.08	15.11
Nondurable Goods[f]	396.37	395.35	358.16	40.2	40.8	39.1	9.86	9.69	9.16
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	540.50	524.83	515.50	40.7	39.7	40.4	13.28	13.22	12.76
WHOLESALE TRADE	340.86	335.54	333.80	38.0	38.0	38.5	8.97	8.83	8.67
RETAIL TRADE[h]	168.49	169.65	166.70	29.1	29.0	29.4	5.79	5.85	5.67

[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, instruments and related products, miscellaneous manufacturing [f] Includes food and kindred products, tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastics products, leather and leather products [g] Includes mining [h] Money payments only, tips not included [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j] Depressed due to labor-management disputes

Selected Administrative Program Activities

	April 1987	March 1987	April 1986
Employment Service Program			
New Applicants	1,848	1,890	2,285
Active File of Job Seekers	21,875	22,494	34,919
Referrals to Jobs	1,191	936	1,661
Placements	295	258	490
Job Openings Received	520	381	753
Job Openings Unfilled	593	483	634
Unemployment Insurance Program			
Initial Claims	4,478	4,633	5,316
Continued Claims	28,019	31,748	30,859
First Payments	1,120	1,310	1,233
Last Payments	442	372	534
Weeks Compensated	25,749	26,656	26,552
Benefits Paid	$3,640,265	$3,829,305	$3,820,027
Average Weekly Payment	$146.28	$147.73	$147.63

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	April 1987	March 1987	April 1986
New Applicants	42,612	44,080	46,033
Active File of Job Seekers	337,571	345,468	447,885
Counseling Interviews	1,729	1,758	2,313
Tests Administered	4,393	4,208	3,593
General Aptitude Tests	878	560	1,536
Proficiency Tests	600	528	995
Specific Aptitude Tests	655	952	768
Referrals to Jobs	28,655	24,404	27,392
Placements	5,936	4,837	6,480
Job Openings Received	15,472	12,372	14,674
Job Openings Unfilled	25,951	20,544	22,248

Selected Unemployment Insurance Activities

	April 1987	March 1987	April 1986
Initial Claims	54,816	58,948	59,632
Continued Claims	521,977	599,081	579,015
First Payments	20,064	24,497	21,357
Last Payments	8,677	7,375	9,478
Average Weekly Claimants	117,813	136,208	126,978
Average Weekly Benefit Recipients	101,157	121,596	111,554
Weeks Compensated	457,704	492,489	478,281
Benefits Paid	$67,451,284	$73,150,826	$70,374,566
Average Weekly Payment	$150.96	$151.73	$150.42
Continued Claims for Survey Week	109,357	136,453	125,127
Insured Unemployment Rate	2.8	3.2	3.1
Net Contributions	$132,036,275	$3,920,243	$175,412,298
Active Employer Accounts	194,529	196,049	192,000

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

May 1987

Summary. The seasonally adjusted unemployment rate in Ohio rose from 7.2 percent in April to 7.9 percent in May. The national rate was unchanged at 6.3 percent. Ohio's civilian labor force gained 71,000 over the month, with the total number of unemployed workers, at 416,000, increasing by 39,000. The total employment level reached 4,878,000, the highest since March 1986. Seasonally adjusted nonagricultural wage and salary employment in Ohio totaled 4,572,000 in May, up 2,000 from April. Increases in nonmanufacturing industries were partially offset by losses in manufacturing employment. (See page 3.)

Factory Employment. Ohio's seasonally adjusted manufacturing employment dropped 6,000 from April, to 1,091,000 in May. Employment in durable-goods industries fell 5,000, to 736,000, while nondurable-goods employment, at 356,000, was down 1,000.

Nonmanufacturing. A gain of 5,000 in services helped raise nonmanufacturing employment 9,000, to 3,481,000 in May. Smaller gains occurred in construction, retail trade, finance, insurance, and real estate, and government. Employment in mining, transportation and public utilities, and wholesale trade was unchanged.

Over the Year. From May 1986 to May 1987, the civilian labor force in Ohio increased 80,000. Total employment was up 94,000, while total unemployment dropped 14,000. Ohio's unemployment rate fell from 8.2 percent to 7.9 percent during the period, while the U.S. rate dropped from 7.2 percent to 6.3 percent. Nonagricultural payroll employment rose 109,000 from May 1986. Gains in services and retail trade accounted for nearly four-fifths of the increase. The only divisions showing declines over the year were manufacturing—down 21,000 due to losses in durable goods—and mining, down 2,000.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of $497.68 per week in May, up $4.69 from April. Their average workweek increased .4 hours, to 42.5 hours. Most industries had increased earnings in May. The most significant were in aircraft and parts, paperboard containers and boxes, and miscellaneous plastics products. Reduced overtime lowered earnings in iron and steel foundries and electric lighting and wiring equipment.

Benefits and Costs. There were 44,061 initial claims filed under the Ohio Unemployment Compensation Law in May, down 19.6 percent from April, and down 23.2 percent from May 1986. Total benefits paid dropped 24.8 percent, to $50.7 million. The average weekly number of benefit recipients fell 19,852, to 81,305. At the end of May, there were 195,506 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Dr. Roberta Steinbacher, Administrator

Employment Service. In May 1987, 36,395 new applicants were assisted in their job search by the Ohio Bureau of Employment Services, up 4.3 percent from April. A 9.8 percent decline occurred in the number of job openings received from employers, from 15,472 in April, to 13,951 in May. The Employment Services Division made 24,927 referrals and 6,191 job placements during the month.

Hire Persons with Disabilities

People at Work is what the American dream is all about and people with disabilities are a part of this dream. But some are excluded. Many people ignore the ABILITY and just see the DISABILITY.

It's difficult to reach your dream without a job. Various studies show that approximately two-thirds of all disabled workers between 16 and 64 years old are not working — do what you can to promote employment and to employ qualified workers with disabilities.

Call your local Job Service Office for referral of qualified disabled job applicants.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1987	Apr. 1987	May 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,294	5,223	5,214	71	80	1.4	1.5
Employment	4,878	4,846	4,784	32	94	0.7	2.0
Unemployment	416	377	430	39	-14	10.3	-3.3
Unemployment Rate	7.9	7.2	8.2				
Employer Survey Data[e]							
Total	4,572	4,570	4,464	2	109	0.1	2.4
Manufacturing	1,091	1,098	1,112	-6	-21	-0.6	-1.8
Durable Goods	736	741	756	-5	-20	-0.7	-2.6
Nondurable Goods	356	357	356	-1	-1	-0.3	-0.2
Nonmanufacturing	3,481	3,472	3,352	9	129	0.3	3.9
Mining	21	21	23	0	-2	-1.0	-8.8
Construction	172	171	161	1	11	0.7	7.0
Transportation and Public Utilities	211	211	203	0	8	0.1	3.9
Wholesale Trade	250	249	245	0	4	0.2	1.8
Retail Trade	846	846	816	1	31	0.1	3.8
Finance, Insurance, and Real Estate	242	242	231	1	12	0.3	5.0
Services	1,050	1,045	994	5	56	0.5	5.6
Government	689	688	679	1	9	0.1	1.4
Goods Producing Industries[f]	1,284	1,289	1,295	-5	-11	-0.4	-0.9
Service Producing Industries[g]	3,288	3,281	3,168	8	120	0.2	3.8

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S	
					1985
5,084	4,664	420	8.3	7.2	May
5,078	4,645	433	8.5	7.3	June
5,150	4,647	503	9.8	7.3	July
5,132	4,675	457	8.9	7.1	August
5,167	4,701	466	9.0	7.1	September
5,172	4,707	465	9.0	7.1	October
5,192	4,727	465	9.0	7.0	November
5,185	4,754	431	8.3	7.0	December
					1986
5,218	4,759	459	8.8	6.8	January
5,325	4,869	456	8.6	7.2	February
5,297	4,896	401	7.6	7.2	March
5,248	4,823	425	8.1	7.1	April
5,214	4,784	430	8.2	7.2	May
5,204	4,752	452	8.7	7.1	June
5,204	4,777	427	8.2	7.0	July
5,185	4,763	422	8.1	6.8	August
5,163	4,734	429	8.3	7.0	September
5,214	4,810	404	7.7	6.9	October
5,264	4,875	389	7.4	6.9	November
5,276	4,861	415	7.9	6.7	December
					1987
5,287	4,850	437	8.3	6.7	January
5,303	4,848	455	8.6	6.7	February
5,215	4,824	391	7.5	6.6	March
5,223	4,846	377	7.2	6.3	April
5,294	4,878	416	7.9	6.3	May

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1985				
May	4,379	1,128	773	356
June	4,368	1,124	770	355
July	4,374	1,122	767	355
August	4,380	1,119	763	356
September	4,385	1,114	759	355
October	4,398	1,117	762	356
November	4,410	1,120	763	357
December	4,422	1,123	766	357
1986				
January	4,438	1,124	767	357
February	4,440	1,122	764	357
March	4,440	1,117	760	356
April	4,459	1,117	761	356
May	4,464	1,112	756	356
June	4,466	1,111	755	356
July	4,472	1,103	749	354
August	4,484	1,103	748	355
September	4,488	1,100	744	355
October	4,497	1,094	739	355
November	4,517	1,103	747	356
December	4,532	1,106	750	356
1987				
January	4,556	1,106	748	358
February	4,564	1,108	750	358
March	4,563	1,099	741	357
April	4,570	1,098	741	357
May	4,572	1,091	736	356

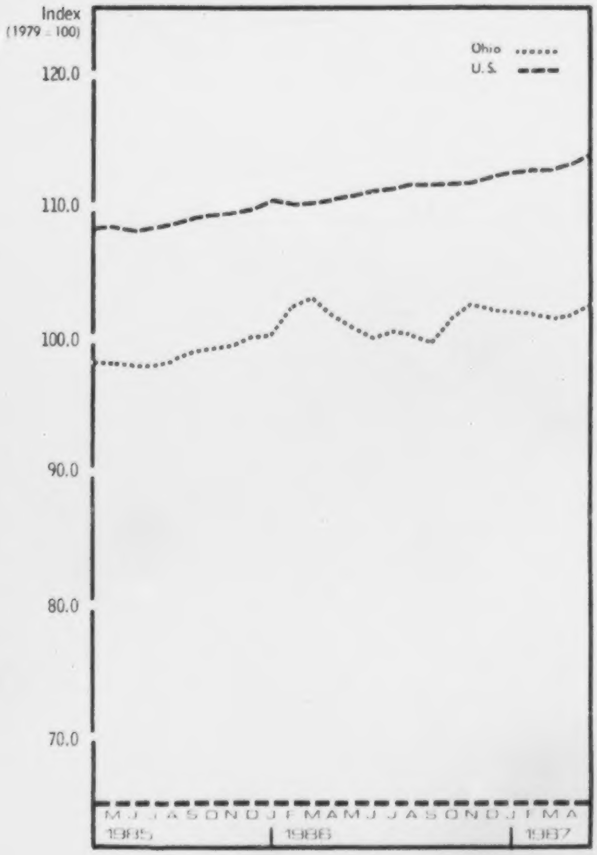
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

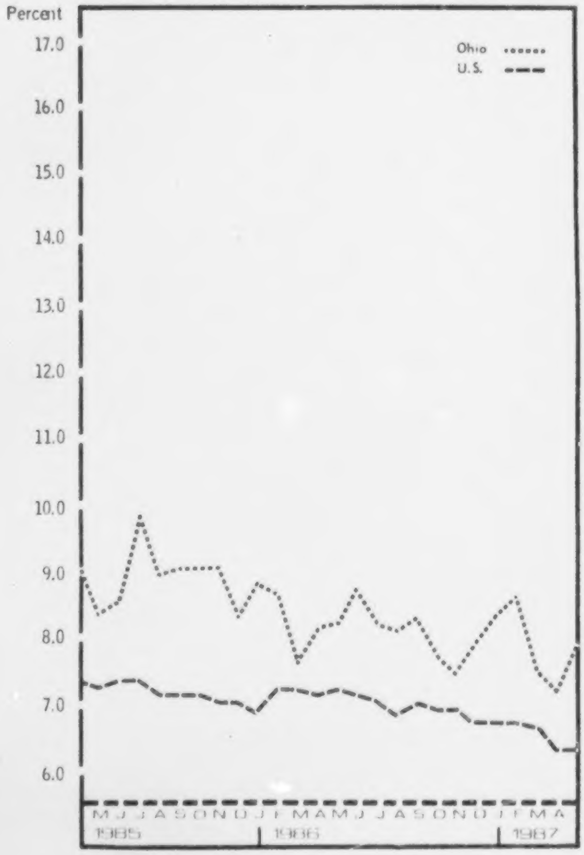
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,250	27	155	203	245	May	788	218	949	664
3,244	26	154	203	244	June	789	218	948	663
3,252	26	154	202	243	July	790	219	952	667
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	172	211	250	May	846	242	1050	689

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)

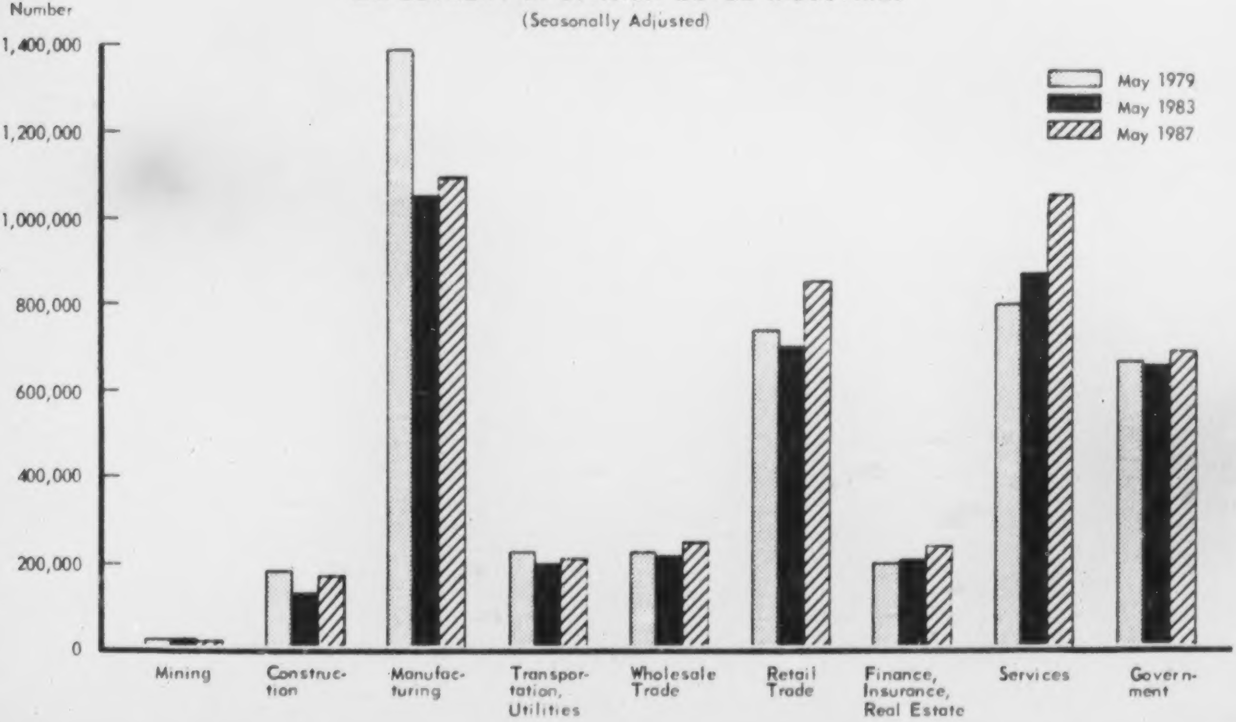


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,234	4,809	426	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1986				
5,187	4,798	389	7.5	7.0	May	4,491.8	1,112.3	757.2	355.1
5,267	4,809	458	8.7	7.3	June	4,510.9	1,118.3	760.1	358.2
5,295	4,882	413	7.8	7.0	July	4,478.3	1,105.8	750.6	355.2
5,261	4,838	423	8.0	6.7	August	4,488.4	1,107.4	748.4	359.0
5,189	4,755	434	8.4	6.8	September	4,531.8	1,109.4	748.0	361.4
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.6
5,205	4,732	473	9.1	7.2	February	4,467.2	1,096.0	742.4	353.6
5,154	4,749	405	7.9	6.9	March	4,492.3	1,092.1	738.4	353.6
5,205	4,837	367	7.1	6.2	April	4,556.9	1,094.4	740.1	354.3
5,264	4,892	372	7.1	6.1	May	4,601.0	1,091.8	737.3	354.5

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,379.5	22.5	162.0	203.2	245.6	May	817.2	230.6	1,003.4	694.9
3,392.6	22.5	168.1	203.7	247.0	June	825.3	233.5	1,012.8	679.8
3,372.5	22.6	175.3	208.1	247.1	July	825.9	236.1	1,013.8	643.5
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.2	20.5	173.3	210.9	250.0	May	847.9	242.2	1,059.9	704.5

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,112.3	757.2	355.1	May	761.6	365.8	31.8
1,118.3	760.1	358.2	June	764.9	368.5	32.0
1,105.8	750.6	355.2	July	751.6	357.5	31.1
1,107.4	748.4	359.0	August	753.5	362.7	31.6
1,109.4	748.0	361.4	September	756.4	368.6	32.0
1,098.4	741.5	356.9	October	746.3	360.9	31.5
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.8	737.3	354.5	May	745.7	371.1	31.7

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
480.28	499.80	434.89	May
481.85	500.99	439.71	June
475.69	491.00	438.19	July
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.02	453.36	May

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
41.8	42.0	41.3	May
41.9	42.1	41.6	June
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.9	May

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$6.10	$6.25	$5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
May	11.49	11.90	10.53
June	11.50	11.90	10.57
July	11.49	11.86	10.61
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.73	12.12	10.79
April	11.71	12.10	10.77
May	11.71	12.08	10.82

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

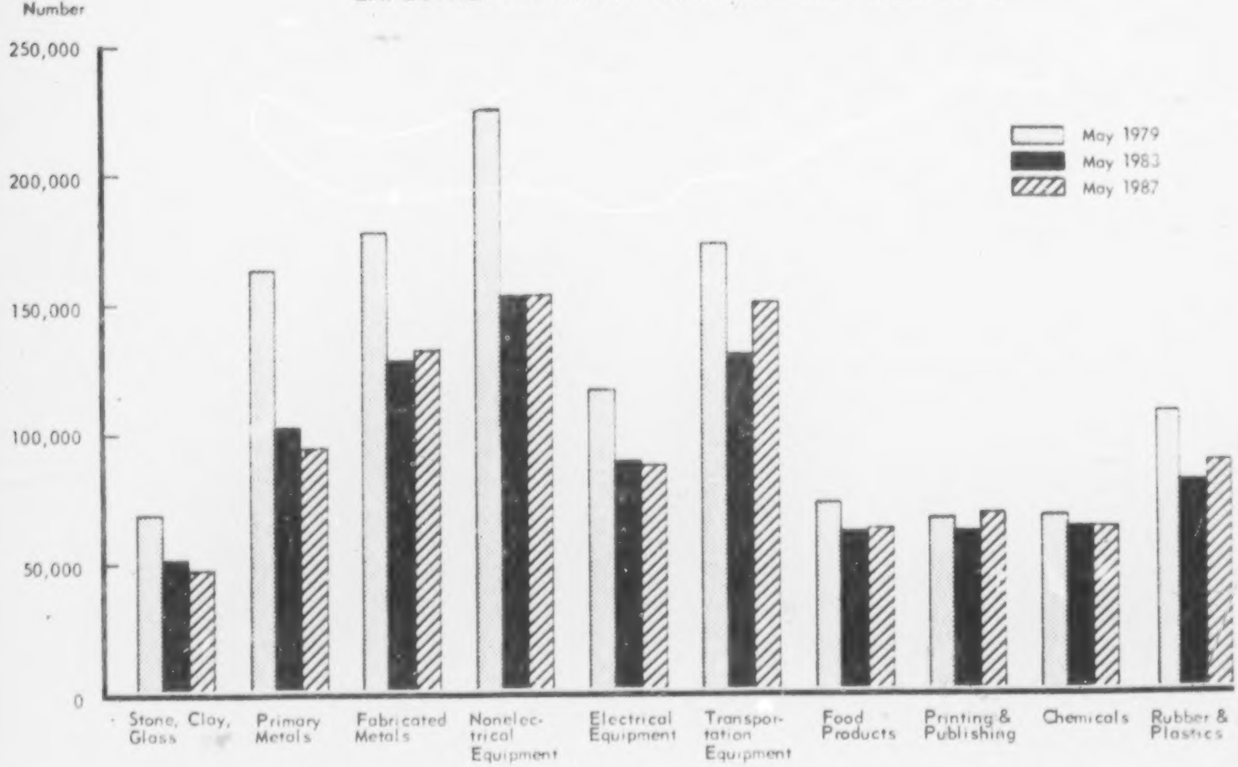
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.5	151.7	62.9	66.6	90.2
1986	49.4	95.4	136.8	158.7	89.8	153.5	62.6	68.6	91.5
1986									
May	49.9	98.4	137.6	160.3	90.1	150.5	61.6	68.1	92.3
June	50.5	97.2	137.8	160.3	89.6	154.0	62.6	68.9	92.9
July	50.4	93.9	135.5	159.0	89.1	153.5	63.0	68.9	90.2
August	50.6	91.9	135.5	158.3	90.4	151.1	66.2	68.9	91.2
September	50.4	90.1	137.2	158.1	90.1	151.2	66.6	69.3	91.2
October	48.6	90.9	136.0	152.7	90.1	152.5	63.1	69.4	90.6
November	49.2	93.6	136.3	156.0	90.2	153.8	62.4	69.4	90.9
December	49.0	94.1	136.0	156.1	90.2	154.4	62.7	69.1	91.3
1987									
January	47.8	93.8	134.3	155.0	90.6	151.7	62.0	68.8	91.3
February	47.9	95.5	133.5	154.1	89.8	153.6	61.5	69.1	90.8
March	47.7	96.7	133.3	153.8	89.0	148.9	61.5	69.1	90.4
April	48.0	96.7	132.5	153.5	88.0	151.6	62.2	69.3	89.8
May	48.4	95.3	132.1	153.4	87.3	150.7	62.7	69.3	89.0

Average Weekly Earnings of Production Workers

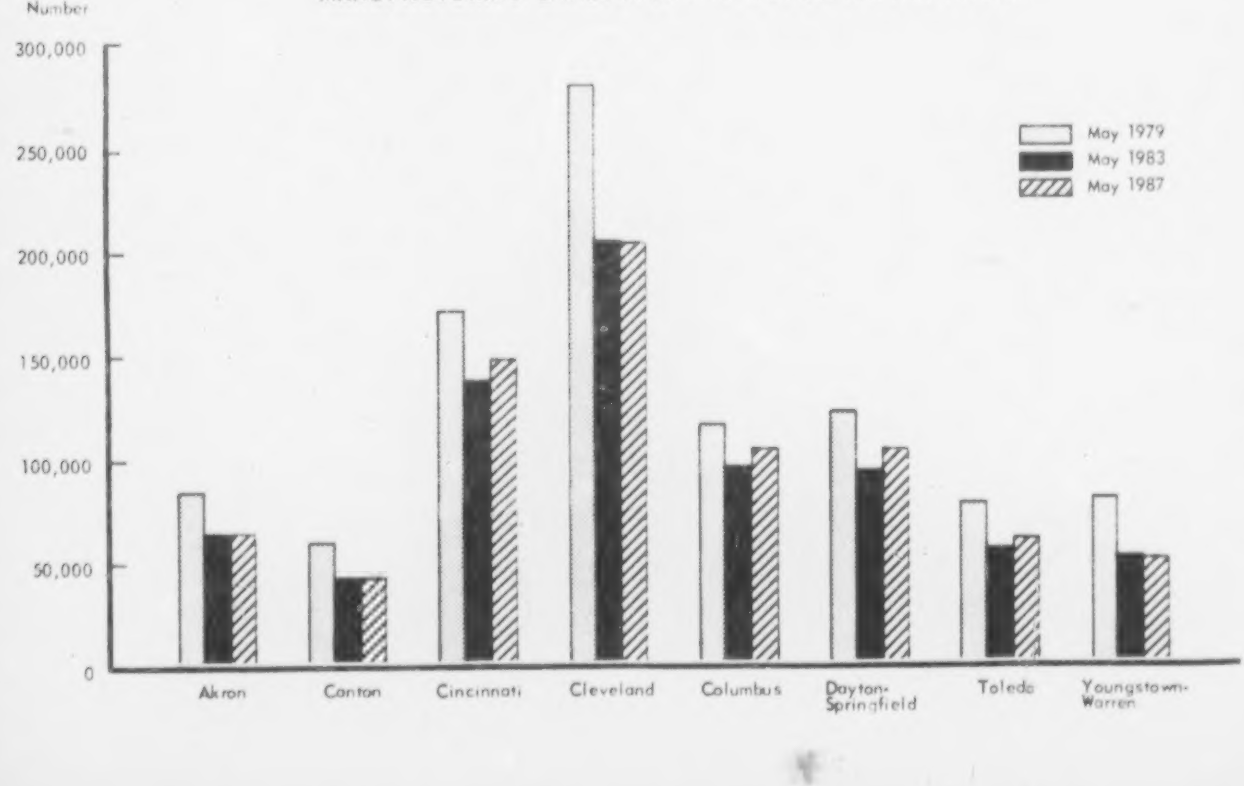
	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	$232.40	$294.58	$256.68	$253.31	$221.54	$302.87	$242.92	$252.20	$237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1986									
May	446.37	547.80	486.36	481.20	451.28	620.54	419.67	407.33	433.15
June	443.56	546.89	494.06	483.07	450.58	616.40	417.91	402.80	443.66
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	447.62	559.68	494.38	485.41	464.88	629.31	420.33	417.40	441.34
October	447.44	563.50	488.36	482.58	456.77	610.76	426.72	418.95	443.23
November	442.08	583.73	503.01	492.33	471.33	646.46	423.85	429.37	447.38
December	441.00	596.23	515.70	510.82	489.89	656.48	436.17	429.46	444.19
1987									
January	441.31	593.61	515.91	498.53	473.61	647.91	438.46	416.96	443.59
February	440.67	590.46	510.27	499.80	457.47	646.46	435.77	420.53	433.82
March	449.35	587.80	506.75	506.32	463.29	640.46	436.60	415.56	438.35
April	447.68	595.35	491.82	495.33	461.61	630.08	430.56	414.02	431.38
May	453.46	591.80	494.49	497.57	464.67	634.04	436.96	421.76	441.09

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	4601.0	4556.9	4491.8	44.1	109.2
MANUFACTURING	1091.8	1094.4	1112.3	- 2.6	- 20.5
Durable Goods[e]	737.3	740.1	757.2	- 2.8	- 20.0
Lumber and wood products	19.8	19.2	18.6	.6	1.2
Furniture and fixtures	14.7	14.7	14.7	- .1	.0
Stone, clay, and glass products	48.4	48.0	49.9	.4	- 1.5
Glass and glassware, pressed or blown	10.6	10.6	11.0	- .1	- .5
Primary metal industries	95.3	96.7	98.4	- 1.4	- 3.1
Blast furnace and basic steel products	44.5	45.1	44.3	- .6	.2
Iron and steel foundries	19.0	19.1	20.9	- .1	- 2.0
Nonferrous rolling and drawing	16.8	17.3	18.0	- .5	- 1.3
Fabricated metal products	132.1	132.5	137.6	- .4	- 5.6
Cutlery, hand tools, and hardware	9.9	10.2	10.5	- .2	- .6
Fabricated structural metal products	28.3	28.1	29.2	.3	- .8
Metal forgings and stampings	42.1	42.4	43.7	- .3	- 1.5
Machinery, except electrical	153.4	153.5	160.3	- .2	- 7.0
Construction and related machinery	11.8	11.8	13.0	.1	- 1.2
Metalworking machinery	39.2	39.2	41.7	.0	- 2.5
Special industry machinery	16.7	16.7	17.2	.0	- .5
General industrial machinery	26.7	27.0	28.6	- .3	- 1.9
Office and computing machines	13.4	13.2	13.6	.2	- .2
Refrigeration and service machinery	17.0	17.1	16.7	- .1	.3
Electric and electronic equipment	87.3	88.0	90.1	- .8	- 2.8
Electrical industrial apparatus	16.7	16.8	17.8	- .1	- 1.1
Household appliances	16.5	16.6	16.8	- .1	- .3
Electric lighting and wiring equipment	17.4	17.6	17.8	- .2	- .3
Communication equipment	10.0	10.3	10.5	- .3	- .5
Transportation equipment	150.7	151.6	150.5	- .9	.2
Motor vehicles and equipment	96.9	97.4	95.2	- .5	1.7
Aircraft and parts	44.3	44.7	46.0	- .4	- 1.7
Instruments and related products	21.9	22.1	23.3	- .1	- 1.3
Measuring and controlling devices	11.9	12.0	12.3	- .1	- .4
Nondurable Goods[f]	354.5	354.3	355.1	.2	- .6
Food and kindred products	62.7	62.2	61.6	.5	1.1
Meat products	9.9	9.9	9.6	.0	.4
Dairy products	10.4	10.2	10.0	.2	.4
Preserved fruits and vegetables	10.3	10.4	10.3	- .2	.0
Bakery products	8.9	8.8	8.6	.1	.3
Beverages	9.9	9.7	9.8	.2	.1
Apparel and other textile products	16.0	16.1	16.1	- .1	- .1
Paper and allied products	37.4	37.3	37.1	.1	.3
Misc. converted paper products	12.0	12.1	11.7	- .1	.2
Paperboard containers and boxes	12.9	12.7	12.6	.2	.3
Printing and publishing	69.3	69.3	68.1	.0	1.2
Newspapers	19.3	19.2	18.9	.1	.4
Commercial printing	26.6	26.4	26.2	.2	.3
Chemicals and allied products	63.8	63.7	63.0	.1	.7
Industrial inorganic chemicals	10.2	10.2	9.9	.0	.3
Rubber and misc. plastics products	89.0	89.8	92.3	- .8	- 3.2
Tires and inner tubes	16.5	16.5	18.2	.0	- 1.7
Miscellaneous plastics products	53.0	53.5	53.6	- .5	- .6

See footnotes on page 13

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3509.2	3462.5	3379.5	46.8	129.8
MINING	20.5	20.3	22.5	.2	- 2.0
Bituminous coal and lignite mining	9.4	9.3	10.2	.1	- .8
Oil and gas extraction	6.4	6.4	7.6	.0	- 1.2
CONSTRUCTION	173.3	160.7	162.0	12.6	11.3
General building contractors	44.4	41.6	40.4	2.8	3.9
Heavy construction contractors	22.5	18.4	22.1	4.0	.4
Highway and street construction	11.0	8.1	10.3	2.9	.7
Special trade contractors	106.5	100.7	99.5	5.8	7.0
TRANSPORTATION AND PUBLIC UTILITIES	210.9	209.4	203.2	1.6	7.8
Railroad transportation	15.1	14.6	16.1	.4	- 1.1
Transportation, except railroads	102.0	100.8	96.8	1.2	5.2
Trucking and warehousing	70.3	69.6	67.7	.6	2.6
Communication, electric, gas services	93.9	94.0	90.2	- .1	3.7
Communication	52.7	52.7	48.8	.1	3.9
Electric, gas, and sanitary services	41.1	41.3	41.4	- .2	- .3
WHOLESALE TRADE	250.0	248.5	245.6	1.5	4.4
Wholesale trade-durable goods	157.8	157.0	155.6	.8	2.2
Motor vehicles & automotive equipment	22.2	22.0	22.3	.1	- .2
Electrical goods	20.7	20.6	20.3	.0	.4
Machinery, equipment, and supplies	68.2	67.9	67.3	.3	.9
Wholesale trade-nondurable goods	92.2	91.5	90.0	.7	2.2
Groceries and related products	29.5	29.3	28.2	.2	1.2
RETAIL TRADE	847.9	835.5	817.2	12.4	30.7
General merchandise stores	110.2	109.4	110.1	.7	.1
Department stores	97.4	96.9	98.2	.5	- .7
Food stores	131.0	130.0	128.1	1.0	2.9
Automotive dealers & service stations	95.3	94.4	90.9	.9	4.4
Apparel and accessory stores	39.5	39.1	37.5	.4	2.1
Eating and drinking places	304.7	297.8	293.0	6.9	11.7
FINANCE, INSURANCE, AND REAL ESTATE	242.2	240.4	230.6	1.8	11.6
Banking	62.4	62.3	61.2	.2	1.2
Credit agencies other than banks	38.6	38.4	36.3	.3	2.4
Insurance carriers	65.2	65.0	62.5	.2	2.7
Life insurance	24.1	24.0	23.5	.0	.6
Fire, marine, and casualty insurance	28.9	28.8	28.3	.1	.6
SERVICES	1059.9	1047.5	1003.4	12.4	56.4
Hotels and other lodging places	34.7	33.3	34.1	1.4	.6
Personal services	56.8	58.5	53.3	- 1.7	3.5
Laundry, cleaning, & garment services	18.8	18.6	18.2	.3	.6
Business services	211.5	208.8	189.2	2.8	22.4
Services to buildings	29.7	29.4	27.7	.4	2.1
Computer and data processing services	19.4	19.3	17.1	.1	2.3
Amusement and recreation services	47.7	39.3	45.4	8.4	2.3
Health services	358.1	356.1	341.4	2.0	16.7
Nursing and personal care facilities	79.0	78.3	75.5	.7	3.5
Hospitals	176.1	175.5	168.5	.7	7.6
Educational services	58.2	62.4	60.7	- 4.2	- 2.5
Colleges and universities	30.0	34.3	32.3	- 4.4	- 2.3
GOVERNMENT	704.5	700.1	694.9	4.4	9.6
Federal government	94.3	93.9	94.0	.3	.3
State government	158.4	158.7	153.7	- .3	4.7
State government education[i]	84.2	84.2	82.4	.1	1.9
State government, except education	74.1	74.5	71.3	- .4	2.8
Local government	451.9	447.5	447.1	4.3	4.7
Local government education	264.8	263.1	261.6	1.7	3.2
Local government, except education	187.1	184.4	185.6	2.6	1.5

See footnotes on page 13.

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$497.68	$492.99	$480.28	42.5	42.1	41.8	$11.71	$11.71	$11.49
Durable Goods[e]	517.02	514.25	499.80	42.8	42.5	42.0	12.08	12.10	11.90
Lumber and wood products	307.02	303.78	288.64	42.0	41.5	40.2	7.31	7.32	7.18
Furniture and fixtures	348.30	338.30	338.62	40.5	39.8	40.7	8.60	8.50	8.32
Stone, clay, and glass products	453.46	447.68	446.37	42.3	41.8	41.6	10.72	10.71	10.73
Glass and glassware, pressed or blown	456.06	455.94	482.35	39.9	40.1	42.2	11.43	11.37	11.43
Primary metal industries	591.80	595.35	547.80	44.0	44.1	41.5	13.45	13.50	13.20
Blast furnace and basic steel products	616.82	617.26	542.04	44.6	44.6	40.3	13.83	13.84	13.45
Iron and steel foundries	615.33	639.13	586.79	44.3	45.2	42.8	13.89	14.14	13.71
Nonferrous rolling and drawing	590.10	584.36	562.38	42.0	41.8	40.9	14.05	13.98	13.75
Fabricated metal products	494.49	491.82	486.36	42.3	42.0	42.0	11.69	11.71	11.58
Cutlery, hand tools, and hardware	476.95	475.60	474.00	40.8	40.0	40.0	11.69	11.89	11.85
Fabricated structural metal products	447.53	436.17	433.14	42.3	41.5	42.8	10.58	10.51	10.12
Metal forgings and stampings	608.03	611.71	615.29	43.4	43.6	43.3	14.01	14.03	14.21
Machinery, except electrical	497.57	495.33	481.20	42.6	42.3	42.1	11.68	11.71	11.43
Construction and related machinery	428.48	418.37	400.14	41.6	41.3	39.5	10.30	10.13	10.13
Metalworking machinery	473.71	463.56	466.23	42.6	41.8	42.5	11.12	11.09	10.97
Special industry machinery	483.84	478.27	463.75	43.2	42.4	42.9	11.20	11.28	10.81
General industrial machinery	511.94	499.66	501.48	42.1	41.5	42.0	12.16	12.04	11.94
Office and computing machines	424.07	420.48	396.18	43.9	43.8	42.6	9.66	9.60	9.30
Refrigeration and service machinery	567.01	556.28	563.64	42.6	41.7	42.7	13.31	13.34	13.20
Electric and electronic equipment	464.67	461.61	451.28	41.6	41.4	41.1	11.17	11.15	10.98
Electrical industrial apparatus	468.84	451.41	437.66	42.2	41.0	40.3	11.11	11.01	10.86
Household appliances	478.12	470.66	455.14	40.9	40.4	40.1	11.69	11.65	11.35
Electric lighting and wiring equipment	470.92	491.63	463.42	41.2	42.2	41.6	11.43	11.65	11.14
Communication equipment	536.28	510.18	516.17	43.6	42.8	42.8	12.30	11.92	12.06
Transportation equipment	634.04	630.08	620.54	44.0	44.0	43.7	14.41	14.32	14.20
Motor vehicles and equipment	654.44	650.76	649.28	44.1	44.0	43.9	14.84	14.79	14.79
Aircraft and parts	590.50	570.71	564.83	44.1	43.4	44.3	13.39	13.15	12.75
Instruments and related products	370.58	365.20	357.40	40.5	40.0	39.8	9.15	9.13	8.98
Measuring and controlling devices	373.35	369.33	350.87	39.3	39.0	38.6	9.50	9.47	9.09
Nondurable Goods[f]	453.36	443.72	434.89	41.9	41.2	41.3	10.82	10.77	10.53
Food and kindred products	436.96	430.56	419.67	42.3	41.6	41.8	10.33	10.35	10.04
Meat products	387.47	373.38	394.12	43.1	42.0	42.7	8.99	8.89	9.23
Dairy products	456.67	473.71	449.40	42.6	43.7	42.8	10.72	10.84	10.50
Preserved fruits and vegetables	426.06	408.60	385.84	40.5	39.1	40.7	10.52	10.45	9.48
Bakery products	467.97	466.50	436.62	40.1	39.4	38.3	11.67	11.84	11.40
Beverages	434.42	416.33	430.26	42.8	41.8	42.1	10.15	9.96	10.22
Apparel and other textile products	275.91	271.88	264.20	37.9	37.5	36.9	7.28	7.25	7.16
Paper and allied products	510.47	494.83	478.93	45.7	44.7	44.1	11.17	11.07	10.86
Misc. converted paper products	451.42	436.00	448.44	44.3	43.6	44.4	10.19	10.00	10.10
Paperboard containers and boxes	467.29	432.86	411.18	45.5	42.9	42.0	10.27	10.09	9.79
Printing and publishing	421.76	414.02	407.33	38.8	38.3	38.5	10.87	10.81	10.58
Newspapers	374.85	359.82	357.00	35.7	34.9	35.0	10.50	10.31	10.20
Commercial printing	410.90	404.24	397.88	39.7	39.4	39.2	10.35	10.26	10.15
Chemicals and allied products	537.21	530.04	509.96	42.2	41.9	41.8	12.73	12.65	12.20
Industrial inorganic chemicals	589.02	583.94	548.69	42.9	43.0	41.1	13.73	13.58	13.35
Rubber and misc. plastics products	441.09	431.38	433.15	42.7	41.8	42.3	10.33	10.32	10.24
Tires and inner tubes	635.72	644.49	625.14	46.1	46.2	45.3	13.79	13.95	13.80
Miscellaneous plastics products	424.95	414.24	416.64	42.2	41.3	42.0	10.07	10.03	9.92

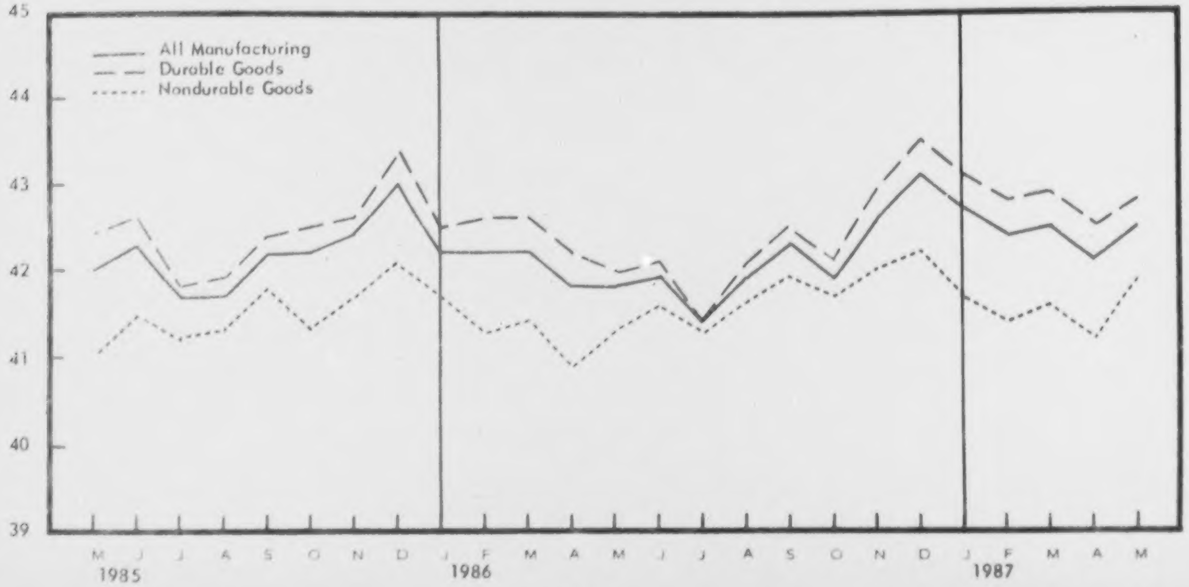
See footnotes on page 13

Hours & Earnings of Production or Nonsupervisory Workers[a]

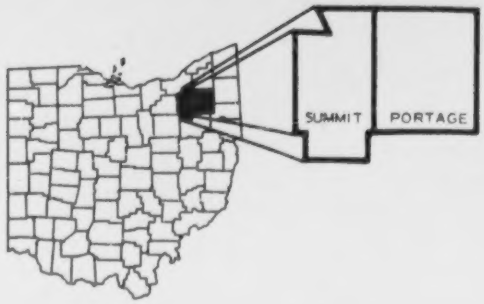
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MINING	$525.16	$527.03	$512.13	42.8	42.4	43.0	$12.27	$12.43	$11.91
Bituminous coal and lignite mining	617.63	633.54	615.91	40.5	41.3	41.7	15.25	15.34	14.77
CONSTRUCTION	561.72	538.61	587.39	38.9	37.3	38.9	14.44	14.44	15.10
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	557.14	552.90	526.50	41.3	41.2	40.5	13.49	13.42	13.00
Communication	546.53	549.61	513.11	41.0	41.2	39.9	13.33	13.34	12.86
Electric, gas, and sanitary services	571.71	555.67	543.02	41.7	41.1	41.2	13.71	13.52	13.18
WHOLESALE TRADE	374.92	369.38	366.03	39.3	38.8	39.4	9.54	9.52	9.29
Wholesale trade-durable goods	368.32	365.66	361.82	39.1	38.9	39.5	9.42	9.40	9.16
Wholesale trade-nondurable goods	385.70	375.19	373.18	39.6	38.6	39.2	9.74	9.72	9.52
RETAIL TRADE[h]	160.46	159.33	156.67	28.5	28.3	28.8	5.63	5.63	5.44
General merchandise stores	182.90	180.54	181.76	29.5	29.5	29.7	6.20	6.12	6.12
Department stores	188.51	185.89	186.85	29.5	29.6	29.8	6.39	6.28	6.27
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	260.40	258.17	249.72	....	....	....	.....	.....	.....
Credit agencies other than banks	248.93	248.76	243.32	....	....	....	.....	.....	.....
Insurance carriers	345.04	341.85	324.31	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	324.39	326.04	315.63	32.8	33.0	33.4	9.89	9.88	9.45

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products; petroleum and coal products, leather and leather products. [h]Money payments only, tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



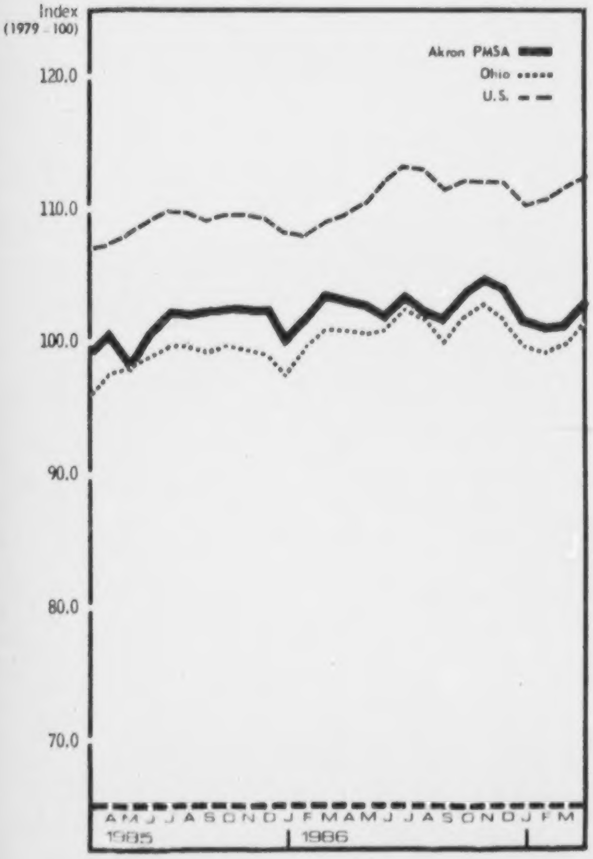
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



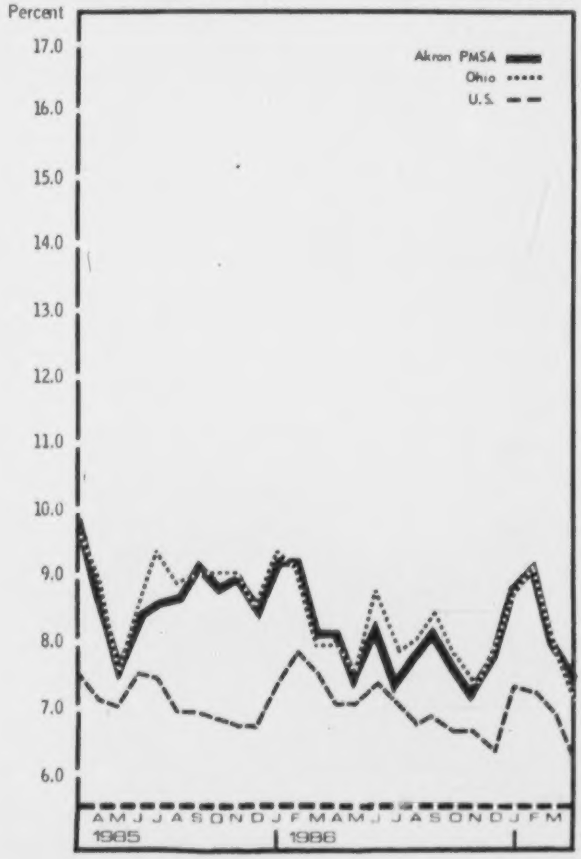
Nonagricultural wage and salary employment for the Akron area totaled 266,700 in May, an expansion of 3,300 from April. Nonmanufacturing industries provided the improvement in employment. Seasonal increases in services, especially amusement and recreation services, construction, and retail trade added 2,900 new jobs. Manufacturing employment remained unchanged at 64,600. Production workers in manufacturing averaged a 43.0 hour workweek, unchanged from the previous month. Average hourly earnings, at $11.26, was up slightly from April.

Nonagricultural wage and salary employment advanced 4,700 between May 1986 and May 1987. Nonmanufacturing divisions registered substantial advancements in employment. Major growth in services, retail trade, and construction contributed to the expansion. Drastic losses in rubber and miscellaneous plastics products, primarily tires and inner tubes, and declines in fabricated metal products and nonelectrical machinery accounted for the reduction of 2,600 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



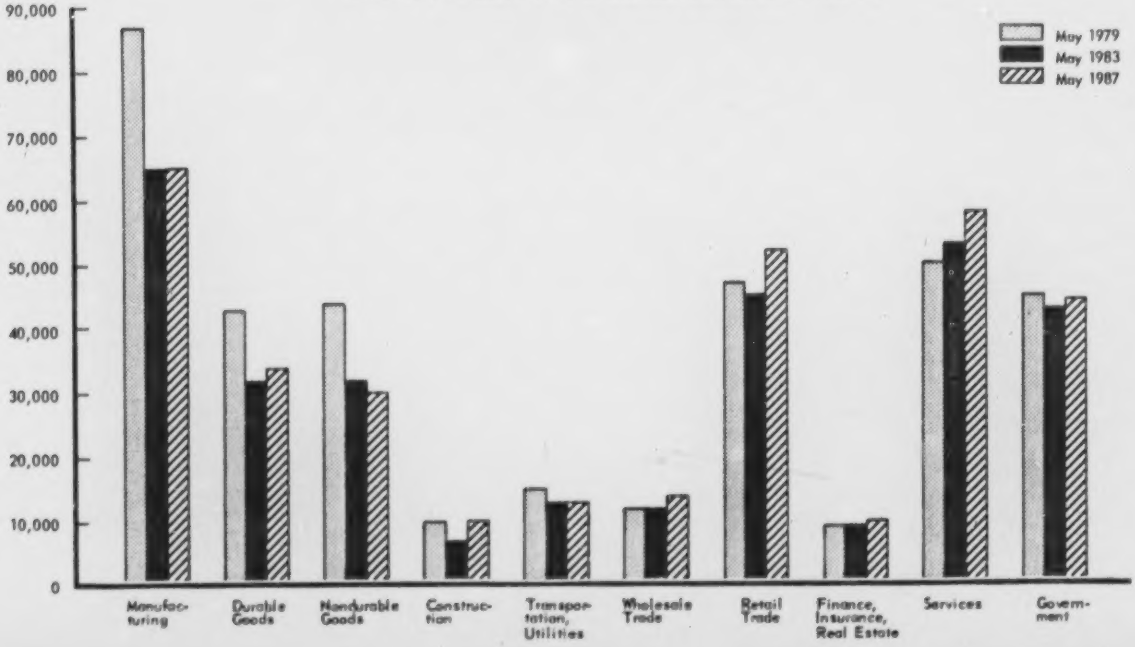
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
320.2	294.2	26.1	8.1	April	259.0	67.1	36.5	476.87	43.0	11.09
317.3	293.7	23.6	7.4	May	262.0	67.2	36.5	475.58	43.0	11.06
318.0	291.7	26.3	8.3	June	259.8	67.5	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
317.5	294.0	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
INA	INA	INA	INA	May	266.7	64.6	35.2	484.18	43.0	11.26

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	266.7	263.4	262.0	3.3	4.7
MANUFACTURING	64.6	64.7	67.2	.0	-2.6
Durable Goods[e]	34.2	34.0	35.2	.3	-1.0
Fabricated metal products	12.4	12.3	13.2	.1	- .7
Machinery, except electrical	9.1	8.9	9.5	.2	- .4
Metalworking machinery	3.0	3.0	3.1	.0	- .1
Nondurable Goods[f]	30.4	30.7	32.0	- .3	-1.6
Food and kindred products	2.7	2.7	2.7	.0	.0
Chemicals and allied products	2.9	2.9	2.9	.0	.0
Rubber and misc. plastics products	19.1	19.4	21.0	- .3	-1.9
Tires and inner tubes	11.9	12.2	14.0	- .3	-2.1
NONMANUFACTURING[g]	202.1	198.8	194.8	3.3	7.3
CONSTRUCTION	10.0	9.0	8.7	1.0	1.3
TRANSPORTATION AND PUBLIC UTILITIES	13.2	13.2	12.9	.0	.3
Communication, electric, gas services	5.4	5.4	5.3	.0	.1
WHOLESALE TRADE	13.7	13.7	13.4	.1	.3
RETAIL TRADE	51.9	51.3	49.9	.5	2.0
General merchandise stores	6.4	6.4	6.2	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	10.4	10.4	10.0	.0	.4
Banking	3.1	3.1	3.1	.0	.0
SERVICES	57.8	56.3	55.6	1.4	2.1
Business services	10.9	10.7	10.1	.2	.8
Amusement and recreation services	3.5	2.7	3.6	.8	- .1
Health services	17.8	17.7	17.4	.1	.4
GOVERNMENT	44.4	44.1	43.6	.3	.8
State government	15.9	15.8	15.1	.1	.8
State government education[i]	12.9	12.9	12.2	.0	.7
State government, except education	3.0	2.9	2.9	.1	.0
Local government	26.1	26.0	26.1	.1	.0
Local government education	14.5	14.5	14.3	.1	.3
Local government, except education	11.6	11.5	11.8	.1	- .3

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

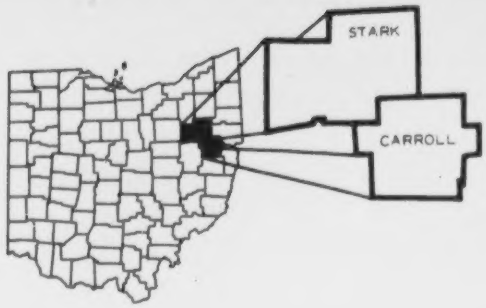
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$484.18	$483.75	$475.58	43.0	43.0	43.0	$11.26	$11.25	$11.06
Durable Goods[e]	510.85	501.70	492.50	43.7	43.4	43.7	11.69	11.56	11.27
Fabricated metal products	612.48	593.28	607.93	44.0	43.4	45.3	13.92	13.67	13.42
Machinery, except electrical	478.38	476.32	437.68	46.4	46.2	44.3	10.31	10.31	9.88
Metalworking machinery	476.89	455.96	453.62	46.8	45.1	46.1	10.19	10.11	9.84
Nondurable Goods[f]	443.72	456.65	451.08	41.9	42.4	42.0	10.59	10.77	10.74
Food and kindred products	452.03	481.57	441.29	41.7	44.1	40.3	10.84	10.92	10.95
Chemicals and allied products	460.22	481.12	454.43	40.8	41.8	41.5	11.28	11.51	10.95
Rubber and misc. plastics products	452.82	483.56	483.96	42.8	44.0	43.6	10.58	10.99	11.10
Tires and inner tubes	649.28	740.84	704.71	43.9	48.9	48.5	14.79	15.15	14.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	559.01	551.91	530.55	41.5	41.5	40.5	13.47	13.54	13.10
WHOLESALE TRADE	320.89	329.28	329.09	37.4	38.2	38.4	8.58	8.62	8.57
RETAIL TRADE[h]	196.24	197.82	190.93	31.6	31.5	31.3	6.21	6.28	6.10

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	2,513	2,428	2,534
Active File of Job Seekers	15,027	20,989	23,298
Referrals to Jobs	1,491	1,256	1,534
Placements	504	256	227
Job Openings Received	835	1,181	1,215
Job Openings Unfilled	2,010	2,076	1,864
Unemployment Insurance Program			
Initial Claims	2,656	3,109	2,971
Continued Claims	28,180	37,262	30,163
First Payments	1,203	1,338	1,231
Last Payments	524	524	653
Weeks Compensated	23,520	31,956	25,993
Benefits Paid	$3,531,985	$4,798,764	$3,762,692
Average Weekly Payment	$153.37	$153.63	$148.46

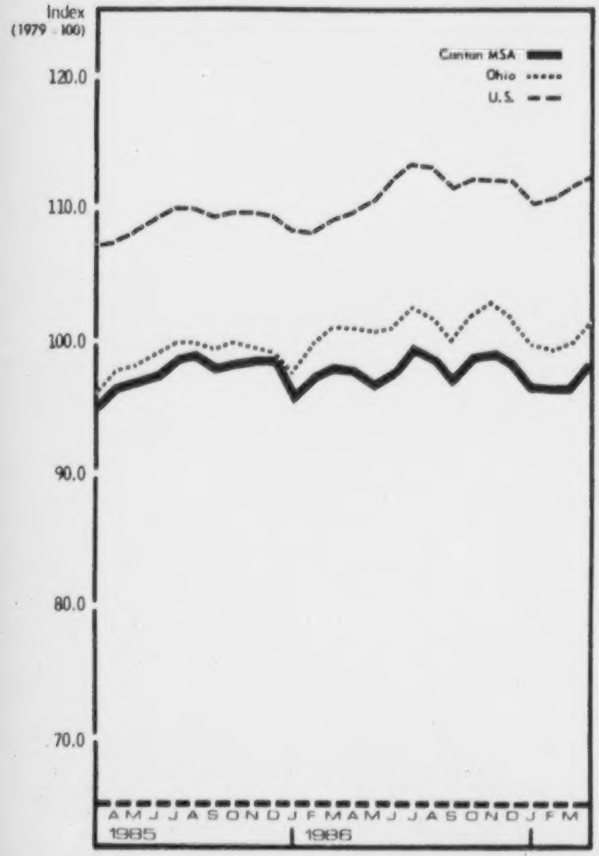
CANTON
METROPOLITAN STATISTICAL AREA



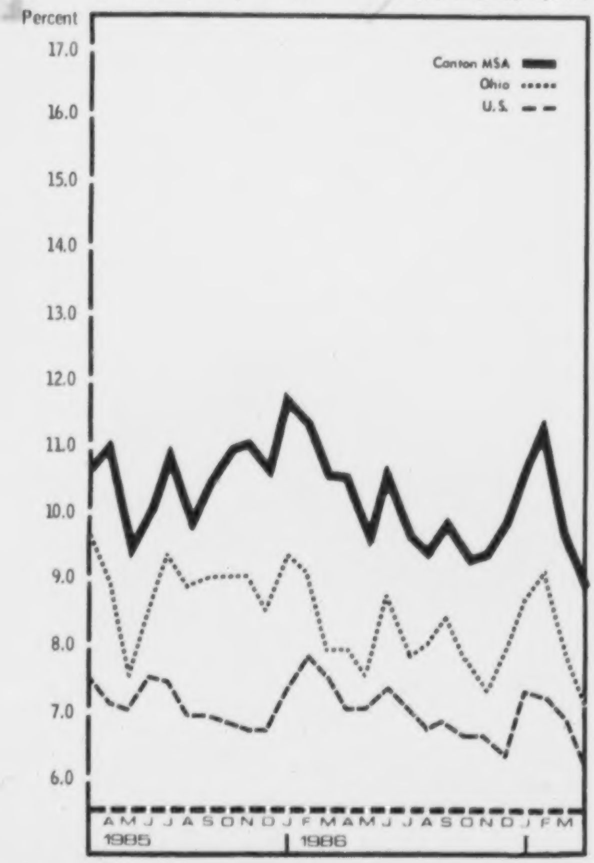
Nonagricultural wage and salary employment in the Canton metropolitan area totaled 155,500 in May, an improvement of 1,600 from April. Seasonal increases in construction, retail trade, local government, and services contributed to the growth in nonmanufacturing. Manufacturing employment fell slightly, to 42,600. Manufacturing production workers averaged a 42.3 hour workweek at $11.49 per hour, up .8 hours and $.14 respectively, from April.

Since May 1986, nonfarm wage and salary employment advanced 2,900. Substantial increases in retail trade, services, and construction paced the upswing in nonmanufacturing employment. Significant declines in fabricated metal products, especially metal forgings and stampings, contributed to the reduction of 1,600 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



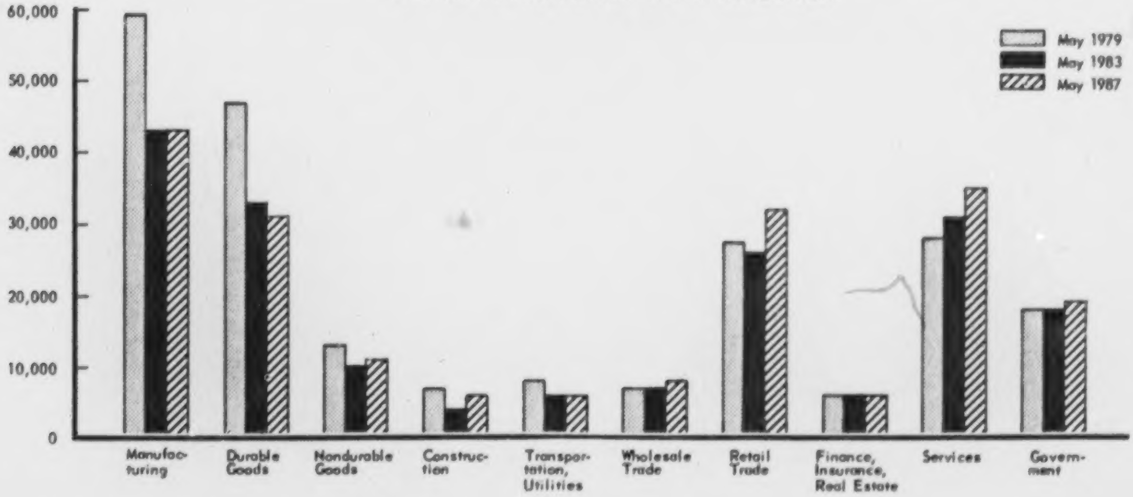
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
190.6	170.7	19.9	10.5	April	151.1	44.0	31.4	442.89	39.9	11.10
188.2	170.1	18.0	9.6	May	152.6	44.2	31.6	444.09	39.9	11.13
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.4	170.7	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
INA	INA	INA	INA	May	155.5	42.6	30.1	486.03	42.3	11.49

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	155.5	153.9	152.6	1.6	2.9
MANUFACTURING	42.6	42.7	44.2	- .1	-1.6
Durable Goods[e]	31.4	31.5	33.0	- .1	-1.5
Primary metal industries	10.2	10.2	10.3	.0	- .1
Fabricated metal products	6.2	6.4	7.1	- .1	- .9
Metal forgings and stampings	2.1	2.1	2.6	.0	- .5
Nondurable Goods[f]	11.2	11.2	11.2	.0	- .1
Food and kindred products	3.8	3.8	3.6	.0	.2
Rubber and misc. plastics products	2.6	2.6	2.8	.0	- .2
NONMANUFACTURING[g]	113.0	111.2	108.4	1.8	4.6
CONSTRUCTION	6.3	5.7	5.4	.6	.8
TRANSPORTATION AND PUBLIC UTILITIES	6.0	6.0	5.8	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	7.9	8.0	7.9	- .1	.0
Wholesale trade-durable goods	4.5	4.5	4.5	.0	.0
RETAIL TRADE	31.6	31.1	30.0	.5	1.6
General merchandise stores	3.9	3.8	3.6	.0	.2
Food stores	5.1	5.1	5.0	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.4	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.7	34.4	33.4	.2	1.3
Health services	14.8	14.8	14.2	.0	.6
GOVERNMENT	19.0	18.5	18.4	.5	.6
State government (includes education)	1.8	1.8	1.7	.0	.0
Local government	15.8	15.3	15.3	.5	.5
Local government education	9.5	9.3	9.2	.2	.3
Local government, except education	6.3	6.0	6.1	.3	.2

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

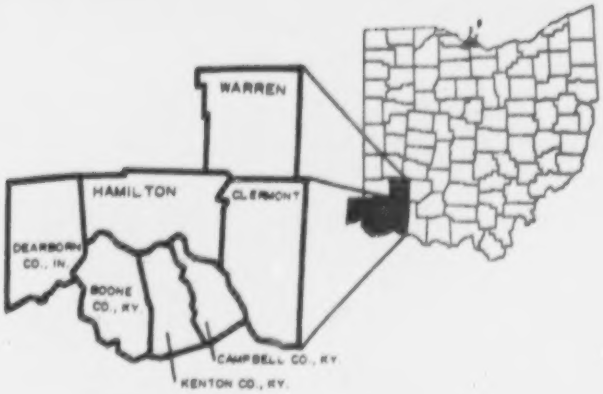
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$486.03	$471.03	$444.09	42.3	41.5	39.9	$11.49	$11.35	$11.13
Durable Goods[e]	512.74	494.08	461.60	42.8	41.8	40.0	11.98	11.82	11.54
Primary metal industries	618.35	574.65	481.43	45.5	43.9	38.7	13.59	13.09	12.44
Fabricated metal products	475.90	472.56	517.02	41.6	41.2	42.8	11.44	11.47	12.08
Metal forgings and stampings	597.78	630.84	674.78	41.0	42.0	43.2	14.58	15.02	15.62
Nondurable Goods[f]	406.55	402.35	387.50	40.9	40.6	39.5	9.94	9.91	9.81
Food and kindred products	448.97	433.88	430.77	42.8	41.8	40.6	10.49	10.38	10.61
Rubber and misc. plastics products	418.97	428.82	424.15	41.4	42.0	41.3	10.12	10.21	10.27
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	556.43	540.70	503.20	41.9	40.3	40.0	13.28	13.22	12.58
WHOLESALE TRADE	371.86	364.93	341.40	37.6	37.2	35.6	9.89	9.81	9.59
RETAIL TRADE[h]	157.14	154.94	154.98	29.1	28.8	28.7	5.40	5.38	5.40

[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, machinery, except electrical, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing [f] Includes tobacco manufactures, textile mill products, apparel and other textile mill products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products [g] Includes mining [h] Money payments only, tips not included [i] Depressed due to labor-management disputes

Selected Administrative Program Activities

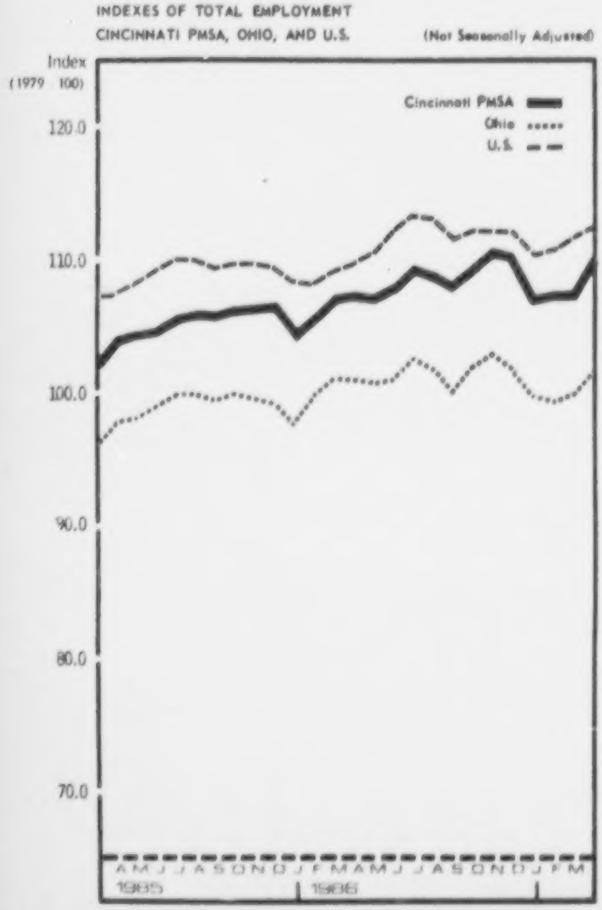
	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	1,104	1,416	1,623
Active File of Job Seekers	13,112	15,780	19,984
Referrals to Jobs	1,198	1,090	973
Placements	185	163	293
Job Openings Received	1,234	368	591
Job Openings Unfilled	1,304	472	466
Unemployment Insurance Program			
Initial Claims	1,990	2,733	2,536
Continued Claims	18,630	25,565	23,562
First Payments	855	840	1,025
Last Payments	330	510	639
Weeks Compensated	15,335	21,305	22,902
Benefits Paid	$2,222,479	$3,161,054	$3,365,740
Average Weekly Payment	$149.72	$152.70	$151.36

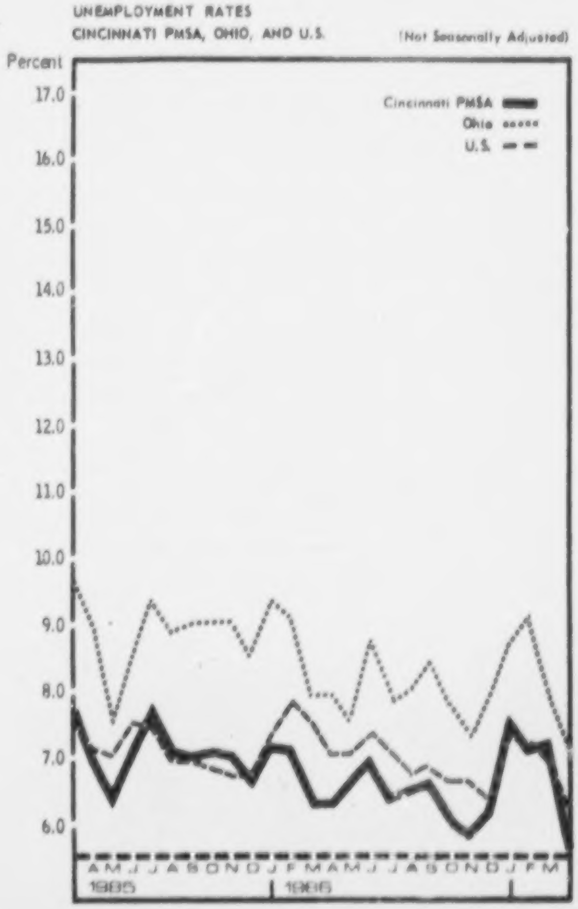
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Cincinnati metropolitan area was 678,300 in May, up 6,500 from April. Nonmanufacturing employment increased 6,100, to 530,400, with seasonal growth in services, especially amusement and recreation services; construction; and retail trade. Manufacturing employment, at 148,000, was 400 above the April level, with scattered growth noted. Factory production workers earned an average of $11.01 per hour, little changed from April. Their average workweek was 42.3 hours, up .5 hours.

Since May 1986, nonfarm employment rose 29,400. Although all nonmanufacturing industries recorded gains, significant growth was noted in services, especially health and business services, and in retail trade. Manufacturing employment increased 3,800 over the year, with growth in transportation equipment more than offsetting losses in nonelectrical machinery.


INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)


UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)

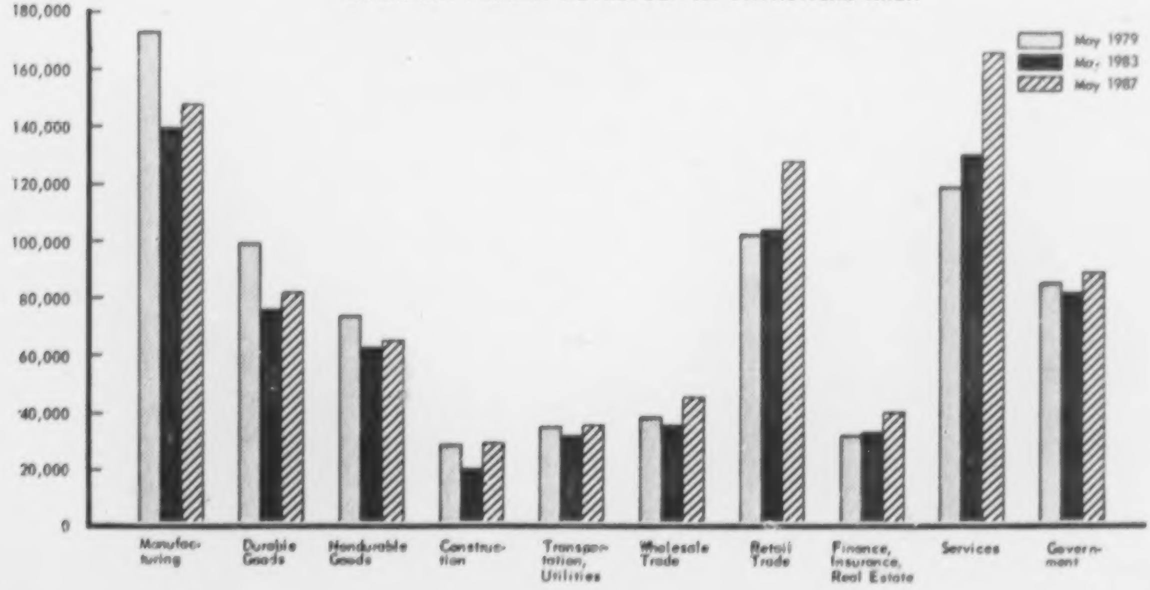
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
721.9	676.4	45.5	6.3	April	644.9	147.0	94.4	441.74	41.4	10.67
721.6	673.3	48.3	6.7	May	649.0	144.2	91.8	444.56	41.9	10.61
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
731.9	691.0	40.8	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
INA	INA	INA	INA	May	678.3	148.0	95.5	465.72	42.3	11.01

INA: Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	678.3	671.8	649.0	6.5	29.4
MANUFACTURING	148.0	147.5	144.2	.4	3.8
Durable Goods[e]	82.0	81.8	79.0	.2	2.9
Fabricated metal products	10.8	10.8	10.7	.0	.1
Fabricated structural metal products	4.2	4.1	3.9	.1	.3
Machinery, except electrical	19.8	19.7	21.3	.1	- 1.5
Metalworking machinery	8.2	8.1	9.1	.0	- 1.0
General industrial machinery	2.7	2.7	2.9	.0	- .3
Electric and electronic equipment	7.2	7.2	7.7	.0	- .4
Transportation equipment	28.8	28.9	24.9	.0	3.9
Motor vehicles and equipment	8.3	8.3	5.8	.0	2.6
Nondurable Goods[f]	66.0	65.7	65.2	.3	.8
Food and kindred products	13.0	12.9	12.9	.1	.0
Beverages	3.8	3.7	3.9	.1	- .1
Apparel and other textile products	3.7	3.6	3.4	.1	.3
Paper and allied products	6.7	6.6	6.0	.0	.6
Printing and publishing	13.2	13.2	13.0	.0	.2
Commercial printing	5.9	5.7	5.5	.2	.3
Chemicals and allied products	22.1	22.1	21.8	.0	.3
Rubber and misc. plastics products	5.4	5.4	5.3	.0	.1
NONMANUFACTURING[g]	530.4	524.3	504.7	6.1	25.6
CONSTRUCTION	28.8	27.2	26.0	1.6	2.8
TRANSPORTATION AND PUBLIC UTILITIES	34.6	34.6	33.6	.1	1.1
Trucking and warehousing	9.3	9.3	9.2	.0	.1
Communication, electric, gas services	15.3	15.3	14.8	.0	.5
WHOLESALE TRADE	44.6	44.4	42.4	.2	2.2
Wholesale trade-durable goods	26.8	26.6	25.4	.2	1.4
RETAIL TRADE	127.8	126.5	121.7	1.3	6.1
General merchandise stores	18.8	18.8	18.1	.0	.7
FINANCE, INSURANCE, AND REAL ESTATE	39.9	39.6	37.9	.3	2.0
Banking	8.3	8.3	8.1	.1	.2
Insurance carriers	13.1	13.0	12.3	.1	[illegible]
SERVICES	165.6	162.9	156.1	2.7	9.5
Hotels and other lodging places	6.8	6.6	6.4	.3	.4
Personal services	8.3	8.6	7.8	- .3	.5
Business services	38.2	37.7	35.3	.6	3.0
Amusement and recreation services	9.8	8.4	9.3	1.4	.5
Health services	51.4	51.0	48.3	.4	3.1
Hospitals	24.7	24.6	23.2	.1	1.5
GOVERNMENT	88.7	88.8	86.8	- .1	1.9
Federal government	14.5	15.0	14.2	- .5	.4
State government	19.6	19.8	19.4	- .1	.2
State government education[i]	11.6	11.7	11.7	- .1	- .1
State government, except education	8.0	8.0	7.7	.0	.3
Local government	54.5	54.0	53.2	.5	1.3
Local government education	32.5	32.2	31.1	.3	1.4
Local government, except education	22.0	21.8	22.1	.2	- .1

Cincinnati PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	April 1987[c]	May 1986[c]
MANUFACTURING	$465.72	$459.38	$444.56	42.3	41.8	41.9	$11.01	$10.99	$10.61
Durable Goods[e]	468.35	456.20	443.52	42.5	41.7	42.2	11.02	10.94	10.51
Fabricated metal products	429.79	416.13	386.34	44.4	42.9	41.1	9.68	9.70	9.40
Fabricated structural metal products	459.74	438.12	409.21	45.7	43.9	42.1	10.06	9.98	9.72
Machinery, except electrical	408.53	405.60	433.30	41.9	41.6	43.2	9.75	9.75	10.03
Metalworking machinery	446.90	441.63	480.13	42.4	42.1	43.1	10.54	10.49	11.14
General industrial machinery	417.19	408.00	415.86	44.1	44.3	44.1	9.46	9.21	9.43
Electric and electronic equipment	352.48	357.86	355.52	40.1	40.3	40.4	8.79	8.88	8.80
Transportation equipment	658.01	629.58	637.37	44.4	43.3	45.3	14.82	14.54	14.07
Motor vehicles and equipment	700.57	686.53	749.83	44.2	43.7	47.1	15.85	15.71	15.92
Nondurable Goods[f]	463.10	462.16	446.61	42.1	41.9	41.7	11.00	11.03	10.71
Food and kindred products	485.21	493.55	468.70	43.4	43.6	43.0	11.18	11.32	10.90
Beverages	524.88	526.92	504.06	42.5	42.7	41.9	12.35	12.34	12.03
Apparel and other textile products	220.74	215.65	213.00	39.0	37.9	37.5	5.66	5.69	5.68
Paper and allied products	433.29	422.68	390.22	42.9	42.1	39.9	10.10	10.04	9.78
Printing and publishing	438.92	443.98	434.17	39.4	39.5	38.8	11.14	11.24	11.19
Commercial printing	471.13	478.70	470.77	41.4	42.4	40.1	11.38	11.29	11.74
Chemicals and allied products	547.41	548.26	527.72	42.7	42.9	42.8	12.82	12.78	12.33
Rubber and misc. plastics products	439.63	417.69	439.45	45.7	44.2	46.7	9.62	9.45	9.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	525.10	531.07	514.69	39.6	39.9	39.5	13.26	13.31	13.03
WHOLESALE TRADE	392.45	382.40	383.26	40.5	40.0	40.6	9.69	9.56	9.44
RETAIL TRADE[h]	159.59	162.43	159.72	28.6	28.8	29.2	5.58	5.64	5.47
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	258.35	258.42	249.10	....	....	....	.....	.....	.....

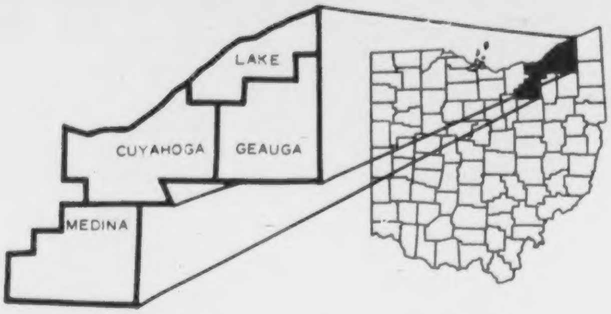
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; [illegible] not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depress[illegible] due to labor-management disputes.

Selected Administrative Program Activities[a]

	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	2,464	2,961	3,744
Active File of Job Seekers	15,202	20,842	29,755
Referrals to Jobs	2,015	1,964	2,329
Placements	441	375	653
Job Openings Received	1,353	1,970	1,336
Job Openings Unfilled	3,258	2,909	2,284
Unemployment Insurance Program			
Initial Claims	3,120	4,485	6,820
Continued Claims	36,331	48,079	45,663
First Payments	1,432	1,565	2,706
Last Payments	663	667	779
Weeks Compensated	32,116	37,031	41,248
Benefits Paid	$4,600,603	$5,353,082	$6,235,295
Average Weekly Payment	$146.16	$147.46	$153.77

[a] Ohio data only

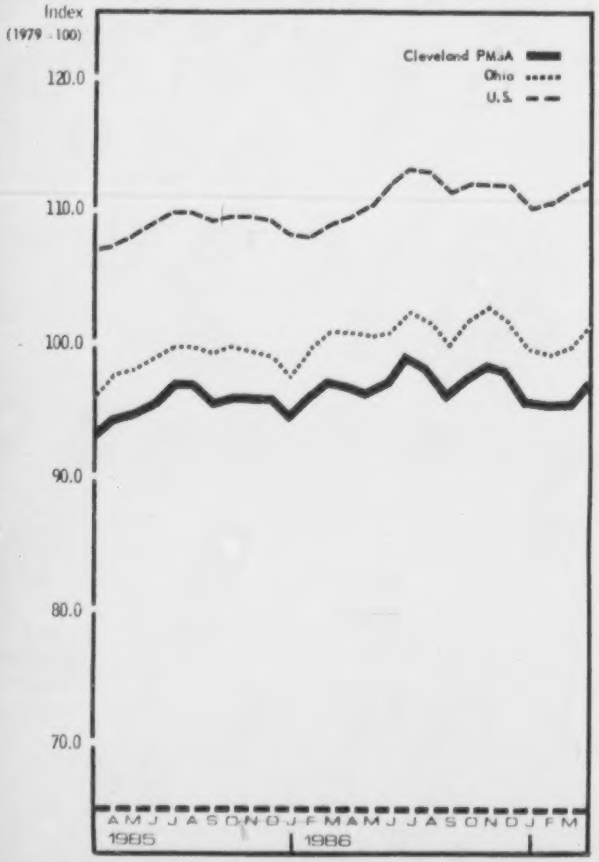
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



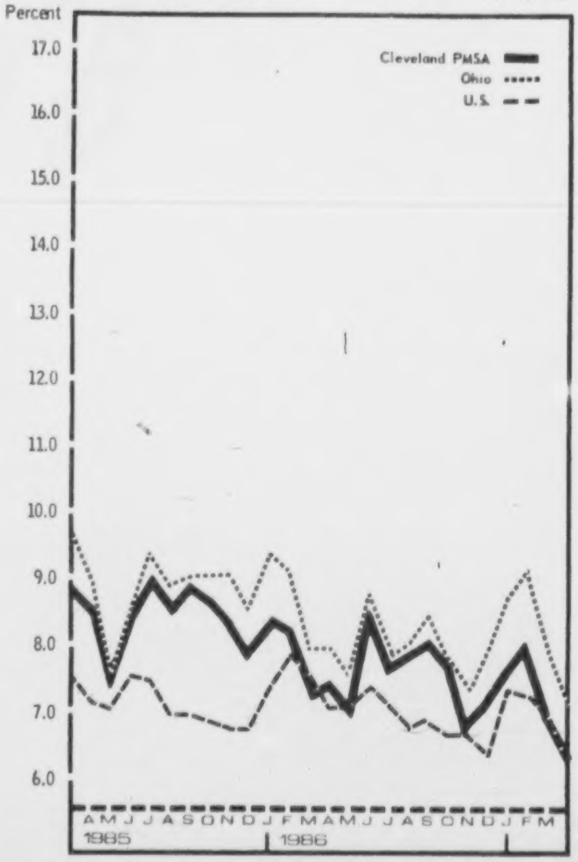
Cleveland area nonagricultural wage and salary employment advanced 7,500 from the April level, to 900,900 in May. The nonmanufacturing sector comprised 98.7 percent of the gain, with 7,400 more jobs. Seasonal growth in retail trade, construction, and amusement and recreation services contributed most, although all nonmanufacturing industries showed increases. Manufacturing employment rose slightly, to 203,900. Most of the gain in nondurable-goods industries was negated by declines in motor vehicles and equipment and metalworking machinery. Factory production workers earned an average of $11.58 per hour, little changed from April. They worked a slightly longer workweek of 42.8 hours.

Total nonfarm employment increased 20,300 since May 1986. Service-related industries, especially business services and health services, were primarily responsible for the gain. Significant advances were also noted in retail trade, finance, insurance, and real estate, and government. Although printing and publishing gained 1,000 jobs during the period, total manufacturing employment dropped 2,300. Noteworthy declines were registered in instruments and related products, nonelectrical machinery, and transportation and equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



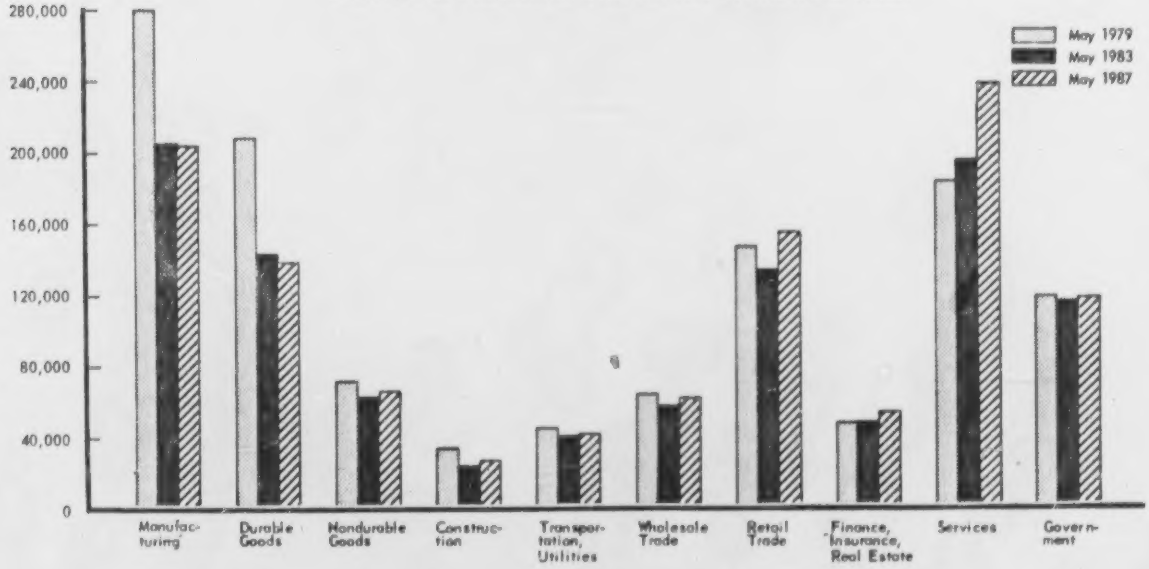
Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
929.7	862.1	67.6	7.3	April	874.0	206.3	133.3	479.76	41.9	11.45
919.8	857.4	62.4	6.8	May	880.6	206.1	133.2	472.69	41.5	11.39
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
922.9	864.9	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
INA	INA	INA	INA	May	900.9	203.9	130.5	495.62	42.8	11.58

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	900.9	893.4	880.6	7.5	20.3
MANUFACTURING	203.9	203.8	206.1	.1	- 2.3
Durable Goods[e]	138.3	138.9	142.3	- .6	- 4.1
Primary metal industries	21.0	21.1	21.5	- .1	- .4
Iron and steel foundries	5.3	5.3	5.6	- .1	- .3
Fabricated metal products	32.6	32.5	32.6	.1	.0
Fabricated structural metal products	3.7	3.7	3.9	.0	- .2
Screw machine products, bolts, etc.	4.8	4.7	4.7	.1	.1
Metal forgings and stampings	11.5	11.5	11.1	.0	.4
Machinery, except electrical	29.7	29.9	30.9	- .1	- 1.2
Construction and related machinery	2.4	2.5	2.5	- .1	- .1
Metalworking machinery	9.8	9.9	10.1	- .2	- .4
Special industry machinery	3.3	3.3	3.3	.0	.0
General industrial machinery	2.7	2.7	2.9	.0	- .3
Electric and electronic equipment	19.0	19.0	19.5	- .1	- .5
Electrical industrial apparatus	6.5	6.5	6.9	.0	- .4
Transportation equipment	19.0	19.4	19.9	- .4	- 1.0
Motor vehicles and equipment	12.0	12.3	12.6	- .4	- .7
Instruments and related products	6.3	6.5	7.8	- .2	- 1.4
Measuring and controlling devices	4.1	4.1	4.2	.0	- .1
Nondurable Goods[f]	65.6	64.9	63.8	.7	1.8
Food and kindred products	6.8	6.7	6.6	.1	.2
Apparel and other textile products	4.2	4.2	4.4	.0	- .2
Paper and allied products	5.6	5.5	5.4	.1	.2
Printing and publishing	16.9	16.8	15.9	.1	1.0
Chemicals and allied products	14.8	14.7	14.4	.1	.4
Rubber and misc. plastics products	12.1	12.0	11.8	.1	.3
NONMANUFACTURING[g]	697.0	689.6	674.4	7.4	22.6
CONSTRUCTION	26.9	25.1	26.2	1.8	.7
TRANSPORTATION AND PUBLIC UTILITIES	41.7	41.5	41.0	.1	.6
Trucking and warehousing	12.1	12.0	11.2	.1	.8
Communication, electric, gas services	18.4	18.6	18.6	- .1	- .2
WHOLESALE TRADE	62.3	62.2	62.4	.1	- .1
Wholesale trade-durable goods	43.2	43.1	43.6	.2	- .4
RETAIL TRADE	155.3	153.2	150.3	2.1	5.0
General merchandise stores	20.1	19.8	19.8	.3	.3
FINANCE, INSURANCE, AND REAL ESTATE	54.3	54.0	51.4	.3	2.9
Banking	13.3	13.3	12.9	.0	.4
Credit agencies other than banks	9.1	9.1	8.4	.1	.8
Insurance carriers	13.1	13.0	12.4	.1	.6
SERVICES	237.7	235.1	225.4	2.6	12.3
Business services	53.5	53.0	49.3	.5	4.2
Amusement and recreation services	9.1	7.9	9.2	1.2	.0
Health services	74.6	74.1	71.1	.4	3.5
Hospitals	43.2	43.0	40.5	.2	2.7
GOVERNMENT	117.9	117.6	116.5	.3	1.4
Federal government	20.5	20.3	20.0	.1	.5
State government	8.3	8.8	7.9	- .6	.4
State government education[i]	3.0	3.3	2.9	- .2	.2
State government, except education	5.2	5.5	5.0	- .3	.2
Local government	89.2	88.4	88.6	.8	.6
Local government education	43.1	42.8	43.1	.3	.0
Local government, except education	46.1	45.7	45.5	.5	.7

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

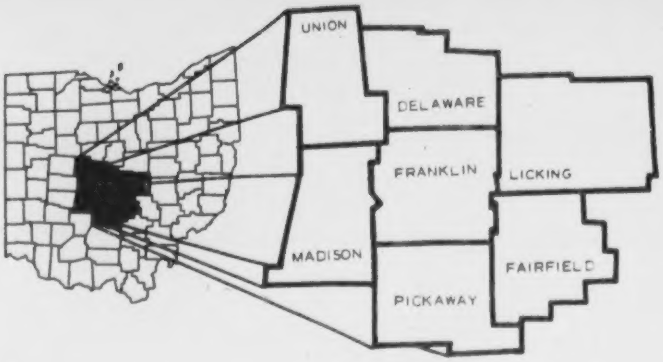
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$495.62	$494.89	$472.69	42.8	42.7	41.5	$11.58	$11.59	$11.39
Durable Goods[e]	524.17	528.26	503.94	43.0	43.3	42.1	12.19	12.20	11.97
Primary metal industries	618.80	639.40	564.81	45.4	46.3	41.9	13.63	13.81	13.48
Iron and steel foundries	843.68	873.44	789.71	50.1	51.5	48.3	16.84	16.96	16.35
Fabricated metal products	531.19	529.00	492.69	43.9	43.9	42.4	12.10	12.05	11.62
Fabricated structural metal products	398.58	401.54	378.48	42.0	42.9	41.5	9.49	9.36	9.12
Screw machine products, bolts, etc.	475.15	468.72	431.88	44.2	43.4	42.3	10.75	10.80	10.21
Metal forgings and stampings	676.37	678.83	643.47	46.2	46.4	44.5	14.64	14.63	14.46
Machinery, except electrical	464.80	481.08	458.81	41.5	42.2	41.9	11.20	11.40	10.95
Construction and related machinery	421.34	396.49	402.41	46.2	44.4	41.4	9.12	8.93	9.72
Metalworking machinery	410.40	411.77	413.09	40.0	39.9	40.9	10.26	10.32	10.10
Special industry machinery	458.83	467.67	464.80	38.3	39.3	40.0	11.98	11.90	11.62
General industrial machinery	498.52	491.00	472.06	44.0	43.8	44.2	11.33	11.21	10.68
Electric and electronic equipment	436.30	427.43	412.09	40.7	40.4	39.7	10.72	10.58	10.38
Electrical industrial apparatus	480.48	469.78	435.71	42.0	41.5	39.9	11.44	11.32	10.92
Transportation equipment	668.39	654.60	681.96	44.5	44.2	45.8	15.02	14.81	14.89
Motor vehicles and equipment	696.64	678.26	709.35	44.4	43.9	45.5	15.69	15.45	15.59
Instruments and related products	393.74	383.13	396.73	41.1	40.5	40.9	9.58	9.46	9.70
Measuring and controlling devices	400.55	391.15	381.10	40.5	40.2	40.2	9.89	9.73	9.48
Nondurable Goods[f]	427.23	417.08	393.60	42.3	41.5	40.0	10.10	10.05	9.84
Food and kindred products	387.29	398.98	379.35	42.7	43.7	41.1	9.07	9.13	9.23
Apparel and other textile products	313.22	313.63	284.50	39.3	39.6	36.9	7.97	7.92	7.71
Paper and allied products	504.85	459.98	448.59	45.4	42.2	42.4	11.12	10.90	10.58
Printing and publishing	416.23	423.31	408.34	38.9	38.8	37.6	10.70	10.91	10.86
Chemicals and allied products	517.44	507.21	469.78	44.0	43.5	41.5	11.76	11.66	11.32
Rubber and misc. plastics products	411.78	380.12	355.93	45.5	43.0	41.1	9.05	8.84	8.66
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	586.16	578.22	552.27	42.2	41.9	41.0	13.89	13.80	13.47
WHOLESALE TRADE	399.17	392.73	384.15	39.6	39.0	39.4	10.08	10.07	9.75
RETAIL TRADE[h]	181.12	180.48	176.25	28.3	28.2	28.2	6.40	6.40	6.25
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	296.82	296.43	294.21	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	338.06	337.46	329.67	32.6	32.7	33.0	10.37	10.32	9.99

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, stone, clay, and glass products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	6,124	7,216	6,706
Active File of Job Seekers	40,415	74,707	112,886
Referrals to Jobs	2,541	2,901	2,458
Placements	672	646	635
Job Openings Received	1,231	1,544	1,961
Job Openings Unfilled	2,341	2,507	2,991
Unemployment Insurance Program			
Initial Claims	5,670	7,035	7,642
Continued Claims	60,394	78,781	73,370
First Payments	2,757	3,050	3,256
Last Payments	1,235	1,313	1,688
Weeks Compensated	53,515	69,393	66,823
Benefits Paid	$7,871,485	$10,395,470	$10,023,910
Average Weekly Payment	$149.70	$152.80	$152.56

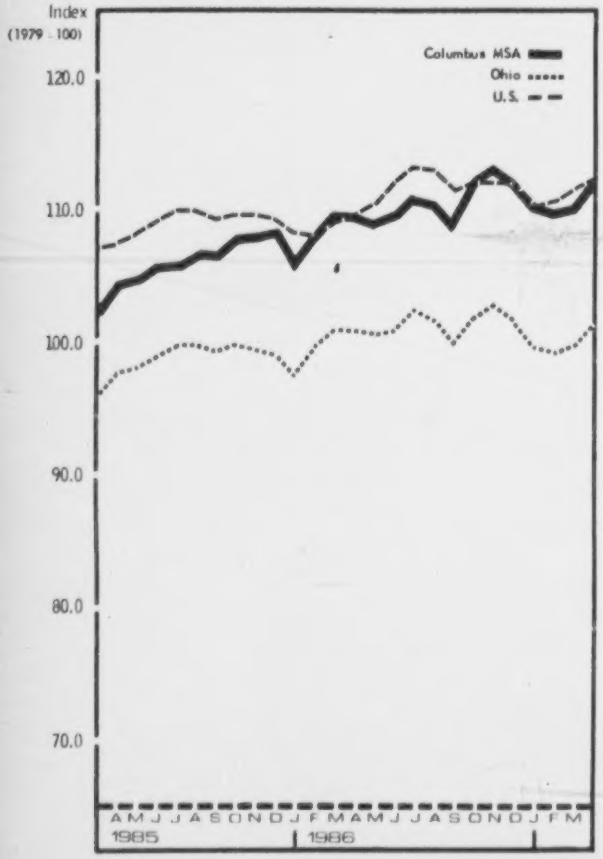
COLUMBUS
METROPOLITAN STATISTICAL AREA



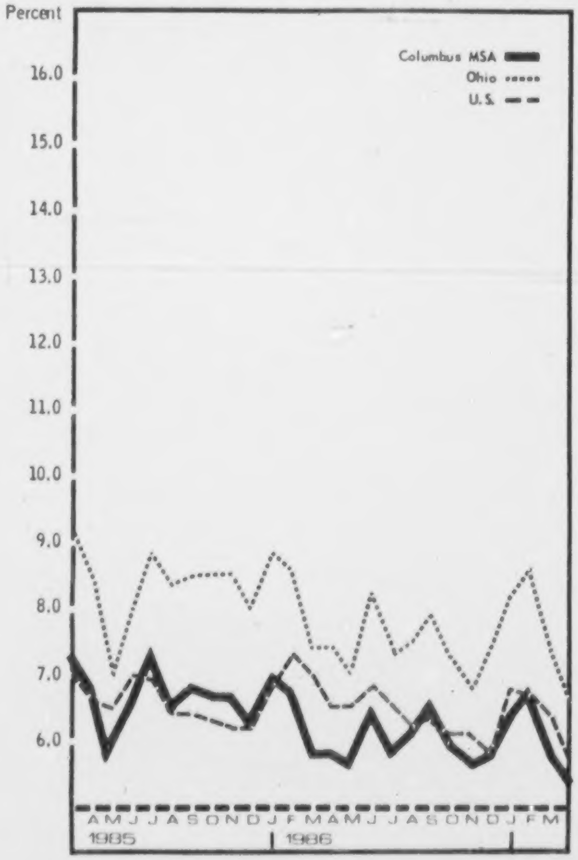
Nonagricultural wage and salary employment in the Columbus area was 656,700 in May, up 6,100 from April. Nonmanufacturing employment rose 6,200, to 553,800. Seasonal growth in services, retail trade, and construction accounted for most of the change. Manufacturing employment was unchanged at 103,000, with gains in food and kindred products offset by losses in fabricated metal products. Manufacturing production workers earned an average of $11.39 per hour, up $.04. Their average workweek was 41.7 hours, up .6 hours.

Since May 1986, nonfarm employment increased 26,500. Although all nonmanufacturing industries recorded gains, significant growth was noted in services, retail trade, and construction. Manufacturing employment declined 3,300 over the year, with noteworthy losses in stone, clay, and glass products, fabricated metal products, transportation equipment, and electric and electronic equipment. Food and kindred products advanced over the year.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



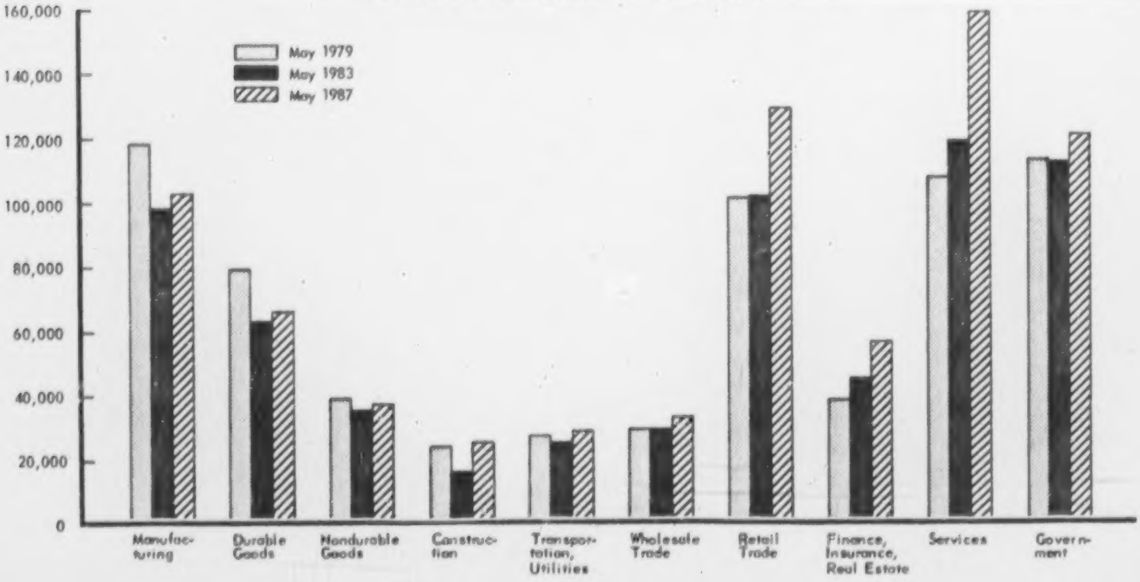
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
671.3	632.2	39.1	5.8	April	624.3	106.6	71.3	462.44	41.4	11.17
667.4	629.7	37.7	5.6	May	630.2	106.3	70.9	461.44	41.2	11.20
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.5	645.9	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
INA	INA	INA	INA	May	656.7	103.0	68.2	474.96	41.7	11.39

INA-Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	656.7	650.6	630.2	6.1	26.5
MANUFACTURING	103.0	103.0	106.3	.0	- 3.3
Durable Goods[e]	65.7	66.0	70.1	- .3	- 4.4
Stone, clay, and glass products	10.5	10.6	11.8	- .1	- 1.3
Glass and glassware, pressed or blown	4.4	4.5	4.6	- .1	- .2
Fabricated metal products	9.0	9.3	10.2	- .3	- 1.2
Fabricated structural metal products	2.7	2.8	3.0	.0	- .3
Machinery, except electrical	9.4	9.4	9.6	.1	- .2
Electric and electronic equipment	10.6	10.7	11.4	- .1	- .8
Transportation equipment	14.8	14.8	15.9	- .1	- 1.1
Instruments and related products	4.0	4.1	4.2	.0	- .1
Nondurable Goods[f]	37.3	37.0	36.2	.3	1.1
Food and kindred products	10.4	10.1	9.9	.3	.6
Printing and publishing	9.8	9.8	9.6	- .1	.2
Chemicals and allied products	7.2	7.1	7.0	.0	.2
Rubber and misc. plastics products	5.5	5.5	5.4	.0	.2
NONMANUFACTURING[g]	553.8	547.6	523.9	6.2	29.9
CONSTRUCTION	27.2	25.7	23.9	1.5	3.3
TRANSPORTATION AND PUBLIC UTILITIES	28.5	28.5	26.3	.0	2.1
Trucking and warehousing	11.3	11.3	10.4	.0	.9
Communication, electric, gas services	12.3	12.3	11.5	.0	.8
WHOLESALE TRADE	32.7	32.7	32.0	.1	.7
Wholesale trade-durable goods	21.4	21.4	21.0	.0	.4
RETAIL TRADE	128.6	126.9	123.2	1.8	5.4
General merchandise stores	17.3	17.1	16.8	.2	.5
FINANCE, INSURANCE, AND REAL ESTATE	55.9	55.5	53.1	.3	2.8
Banking	11.7	11.7	11.2	.0	.5
Insurance carriers	21.4	21.3	20.9	.1	.5
SERVICES	158.5	156.0	145.8	2.6	12.8
Business services	36.1	35.3	32.1	.8	4.0
Health services	40.0	39.6	37.8	.4	2.2
Hospitals	17.4	17.2	16.4	.2	.9
GOVERNMENT	121.3	121.4	118.6	- .1	2.8
Federal government	15.4	15.5	15.6	- .1	- .2
State government	53.9	54.1	52.1	- .2	1.8
State government education[i]	23.4	23.5	22.7	- .1	.7
State government, except education	30.5	30.6	29.4	- .1	1.1
Local government	52.0	51.8	50.9	.1	1.1
Local government education	31.4	31.2	30.5	.2	.9
Local government, except education	20.6	20.6	20.4	.0	.2

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

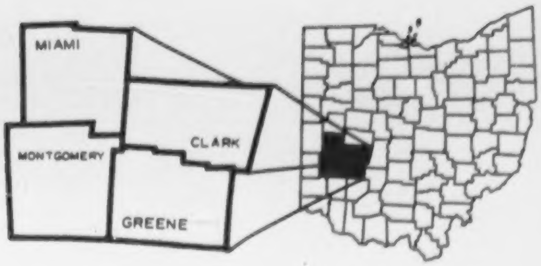
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$474.96	$466.49	$461.44	41.7	41.1	41.2	$11.39	$11.35	$11.20
Durable Goods[e]	485.72	477.51	476.93	41.8	41.2	41.4	11.62	11.59	11.52
Stone, clay, and glass products	469.12	471.23	477.56	40.9	41.3	40.3	11.47	11.41	11.85
Glass and glassware, pressed or blown	400.30	410.94	458.34	37.8	39.1	40.1	10.59	10.51	11.43
Fabricated metal products	500.21	497.30	480.00	40.9	40.3	40.0	12.23	12.34	12.00
Fabricated structural metal products	466.73	459.13	416.87	42.2	41.4	40.2	11.06	11.09	10.37
Machinery, except electrical	455.82	420.15	398.09	42.6	39.9	38.5	10.70	10.53	10.34
Electric and electronic equipment	474.66	460.63	466.69	41.6	40.8	41.3	11.41	11.29	11.30
Transportation equipment	567.63	565.47	572.14	43.1	43.1	45.3	13.17	13.12	12.63
Instruments and related products	438.18	430.98	428.16	42.5	41.6	42.1	10.31	10.36	10.17
Nondurable Goods[f]	453.60	444.58	426.77	41.5	40.9	40.8	10.93	10.87	10.46
Food and kindred products	470.37	449.86	415.42	42.8	41.5	41.5	10.99	10.84	10.01
Printing and publishing	503.87	494.69	500.68	38.7	38.2	39.8	13.02	12.95	12.58
Chemicals and allied products	530.75	526.12	508.74	41.4	41.2	41.7	12.82	12.77	12.20
Rubber and misc. plastics products	352.67	358.52	328.45	42.8	43.3	40.4	8.24	8.28	8.13
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	571.29	570.87	535.30	41.7	41.7	40.4	13.70	13.69	13.25
WHOLESALE TRADE	341.38	344.42	324.02	38.1	38.1	38.3	8.96	9.04	8.46
RETAIL TRADE[h]	174.63	168.88	165.57	29.3	28.1	28.4	5.96	6.01	5.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	269.87	254.74	251.78	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	319.87	322.85	320.54	33.6	33.7	34.1	9.52	9.58	9.40

[a] See Technical Notes for concepts. [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing [f] Includes tobacco manufactures, textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products, leather and leather products [g] Includes mining [h] Money payments only; tips not included [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1987	April 1987	May 1986
EMPLOYMENT SERVICE PROGRAM			
New Applicants	4,389	6,249	5,315
Active File of Job Seekers	28,668	36,056	43,622
Referrals to Jobs	2,417	4,824	3,328
Placements	731	668	1,102
Job Openings Received	2,092	3,036	3,001
Job Openings Unfilled	5,552	6,461	6,442
Unemployment Insurance Program			
Initial Claims	4,096	4,833	4,818
Continued Claims	36,663	47,925	40,261
First Payments	1,910	1,802	2,035
Last Payments	907	674	870
Weeks Compensated	33,651	42,774	35,972
Benefits Paid	$5,139,393	$6,517,067	$5,215,384
Average Weekly Payment	$155.81	$155.52	$147.86

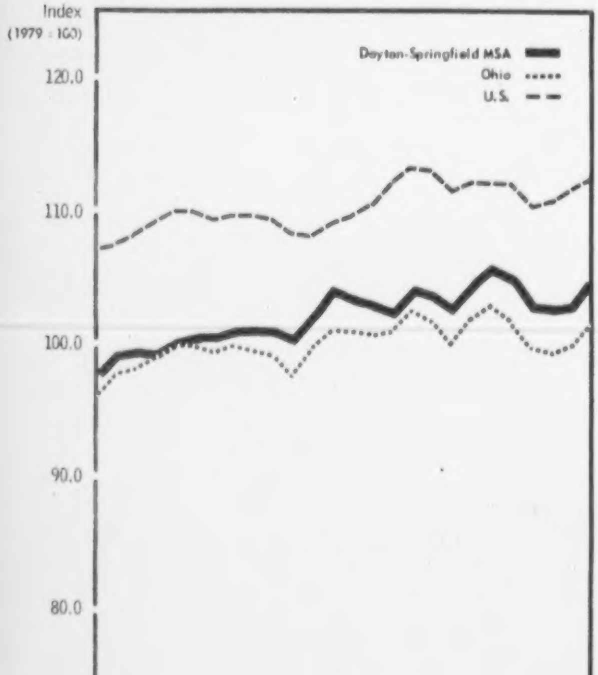
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



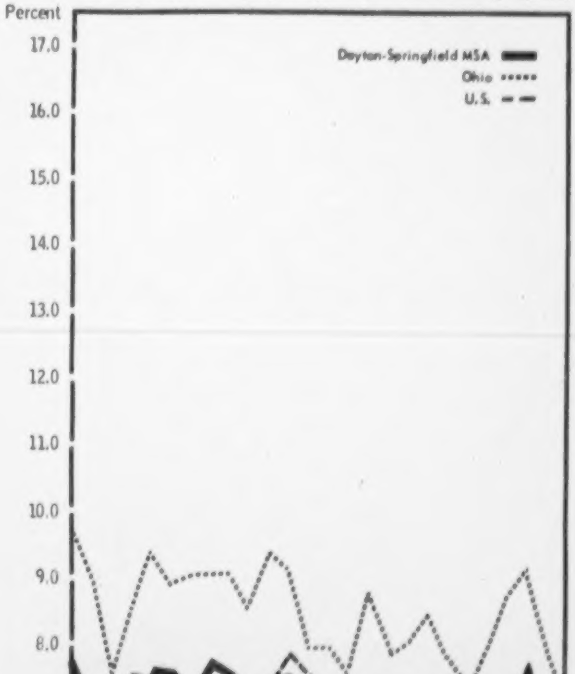
Dayton-Springfield metropolitan area nonfarm wage and salary employment totaled 433,800 in May, up 2,400 from April. Nonmanufacturing employment rose 3,000 over the month, as seasonal increases in construction and retail trade overshadowed reductions in educational services. Manufacturing employment dropped 600, to 104,700. Production workers in manufacturing earned an average of $11.76 per hour, a slight decrease from April. The average workweek, at 41.4 hours, was up .1 hours from the previous month.

Nonagricultural wage and salary employment advanced 12,600 since May 1986. Nonmanufacturing employment rose 14,200. Nearly all nonmanufacturing industries increased, with the largest changes occurring in services, retail trade, and construction. The number of manufacturing jobs declined 1,500 during the period. Losses were especially heavy in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



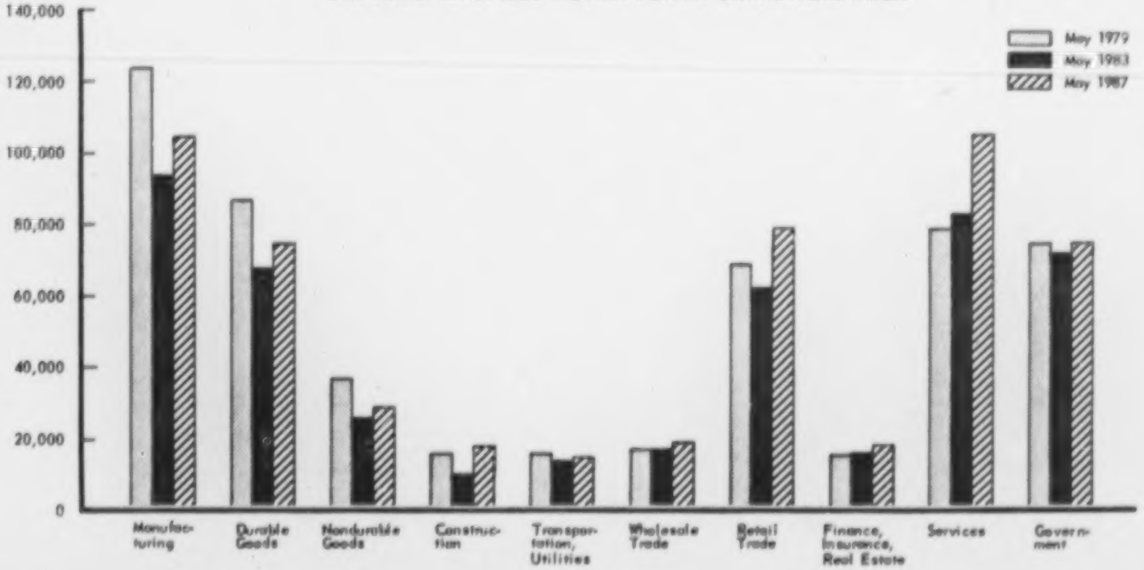
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
460.3	431.5	28.9	6.3	April	418.3	105.3	68.1	510.85	42.5	12.02
455.4	428.8	26.6	5.8	May	421.1	106.2	68.5	515.31	42.8	12.04
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
463.0	436.9	26.1	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
INA	INA	INA	INA	May	433.8	104.7	67.5	486.86	41.4	11.76

INA- information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	433.8	431.4	421.1	2.4	12.6
MANUFACTURING	104.7	105.2	106.2	- .6	- 1.5
Durable Goods[e]	75.4	75.8	76.9	- .5	- 1.5
Fabricated metal products	8.2	8.3	8.3	.0	- .1
Machinery, except electrical	30.3	30.6	31.9	- .3	- 1.6
Metalworking machinery	6.7	6.6	7.1	.1	- .5
General industrial machinery	2.4	2.5	2.6	- .1	- .2
Electric and electronic equipment	5.9	6.0	5.7	- .1	.2
Electrical industrial apparatus	3.5	3.6	3.5	.0	.1
Transportation equipment	21.4	21.7	21.6	- .3	- .3
Nondurable Goods[f]	29.3	29.4	29.3	- .1	.0
Food and kindred products	3.1	3.1	2.8	.0	.3
Paper and allied products	5.8	5.9	5.7	- .1	.1
Printing and publishing	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	7.8	7.9	8.5	- .1	- .6
NONMANUFACTURING[g]	329.1	326.1	314.9	3.0	14.2
CONSTRUCTION	18.0	16.6	14.8	1.4	3.2
TRANSPORTATION AND PUBLIC UTILITIES	15.0	14.8	14.6	.2	.5
Communication, electric, gas services	5.9	5.8	5.9	.0	- .1
WHOLESALE TRADE	19.1	18.9	18.9	.2	.2
Wholesale trade-durable goods	13.2	13.1	12.8	.1	.4
RETAIL TRADE	78.6	77.1	75.3	1.4	3.3
General merchandise stores	11.2	11.1	11.3	.1	- .1
FINANCE, INSURANCE, AND REAL ESTATE	17.8	17.8	17.3	.1	.6
Banking	4.3	4.3	4.2	.0	.1
Credit agencies other than banks	4.6	4.6	4.4	.0	.1
Insurance carriers	2.8	2.8	2.9	.0	- .2
SERVICES	105.3	105.9	99.1	- .7	6.2
Business services	26.1	25.7	23.4	.4	2.7
Health services	35.2	34.9	34.2	.3	1.0
Hospitals	18.3	18.1	18.0	.1	.3
Educational services	5.6	7.2	6.1	- 1.6	- .5
GOVERNMENT	74.8	74.5	74.6	.3	.2
Federal government	27.6	27.7	28.2	.0	- .6
State government	7.4	7.4	6.9	.0	.5
State government education[i]	4.5	4.5	4.3	.0	.3
State government, except education	2.8	2.8	2.6	.0	.2
Local government	39.8	39.4	39.4	.4	.3
Local government education	25.1	24.9	24.9	.1	.2
Local government, except education	14.7	14.5	14.6	.2	.1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

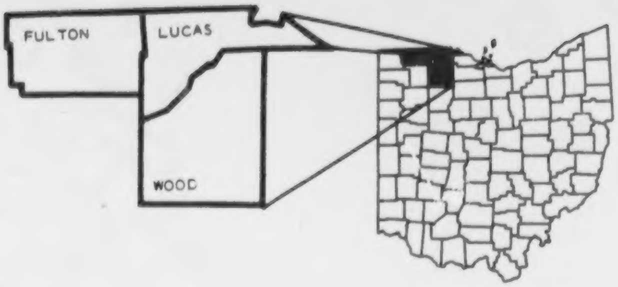
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$486.86	$486.10	$515.31	41.4	41.3	42.8	$11.76	$11.77	$12.04
Durable Goods[e]	493.90	490.32	528.04	41.4	41.1	43.0	11.93	11.93	12.28
Fabricated metal products	374.00	368.92	370.87	40.0	40.1	40.4	9.35	9.20	9.18
Machinery, except electrical	531.72	525.41	546.01	42.0	41.6	43.3	12.66	12.63	12.61
Metalworking machinery	520.47	502.86	517.44	43.3	42.4	44.8	12.02	11.86	11.55
General industrial machinery	414.61	404.91	424.09	39.6	38.6	40.7	10.47	10.49	10.42
Electric and electronic equipment	431.12	421.18	378.53	44.4	43.6	41.1	9.71	9.66	9.21
Electrical industrial apparatus	517.94	495.00	440.30	47.0	45.0	42.5	11.02	11.00	10.36
Transportation equipment	574.90	572.27	659.94	40.6	40.5	44.5	14.16	14.13	14.83
Nondurable Goods[f]	466.15	473.47	474.31	41.4	41.9	41.9	11.26	11.30	11.32
Food and kindred products	369.29	343.62	346.90	43.6	41.5	42.1	8.47	8.28	8.24
Paper and allied products	490.49	513.24	463.37	45.5	47.0	44.9	10.78	10.92	10.32
Printing and publishing	431.51	428.47	420.82	39.3	39.6	39.7	10.98	10.82	10.60
Rubber and misc. plastics products	554.19	568.83	596.96	39.5	40.2	41.6	14.03	14.15	14.35
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	539.46	542.53	521.09	40.5	40.7	39.9	13.32	13.33	13.06
WHOLESALE TRADE	403.81	403.74	376.11	40.3	40.7	39.8	10.02	9.92	9.45
RETAIL TRADE[h]	157.90	157.08	157.18	27.8	27.9	29.0	5.68	5.63	5.42
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	355.44	360.70	336.01	33.5	33.9	33.5	10.61	10.64	10.03

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	2,449	2,669	2,569
Active File of Job Seekers	21,238	23,780	28,383
Referrals to Jobs	1,278	1,814	1,529
Placements	255	463	198
Job Openings Received	1,083	915	1,148
Job Openings Unfilled	2,466	1,942	1,483
Unemployment Insurance Program			
Initial Claims	2,536	2,623	2,954
Continued Claims	22,914	29,696	26,008
First Payments	1,110	1,186	1,228
Last Payments	537	546	637
Weeks Compensated	21,070	27,723	24,607
Benefits Paid	$2,923,159	$3,918,513	$3,392,971
Average Weekly Payment	$141.79	$143.08	$140.64

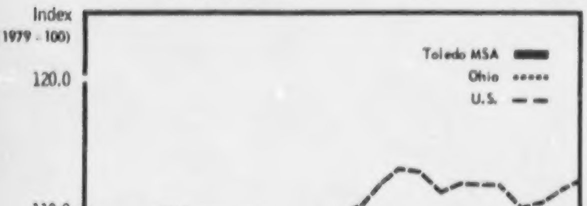
TOLEDO
METROPOLITAN STATISTICAL AREA



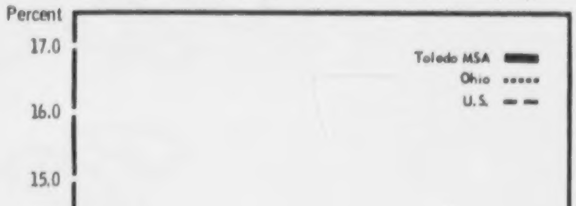
Nonagricultural wage and salary employment in the Toledo metropolitan area rose 3,400 from April, to 286,100 in May. Nonmanufacturing employment increased 3,800, to 224,100. Seasonal growth in retail trade, construction, and services accounted for most of the change. Manufacturing employment declined 400, to 61,900, due to scattered decreases in durable- and nondurable-goods industries. Average hourly earnings for manufacturing production workers remained unchanged for April, at $12.67. Their average workweek dropped .5 hours, to 41.9 hours.

Since May 1986, total nonfarm employment advanced 12,900. Nonmanufacturing employment increased 13,800 due primarily to growth in services and retail trade. Government and construction also recorded significant gains. Manufacturing employment declined 900 over the period. Scattered increases were unable to offset decreases in stone, clay, and glass products and primary metal products.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



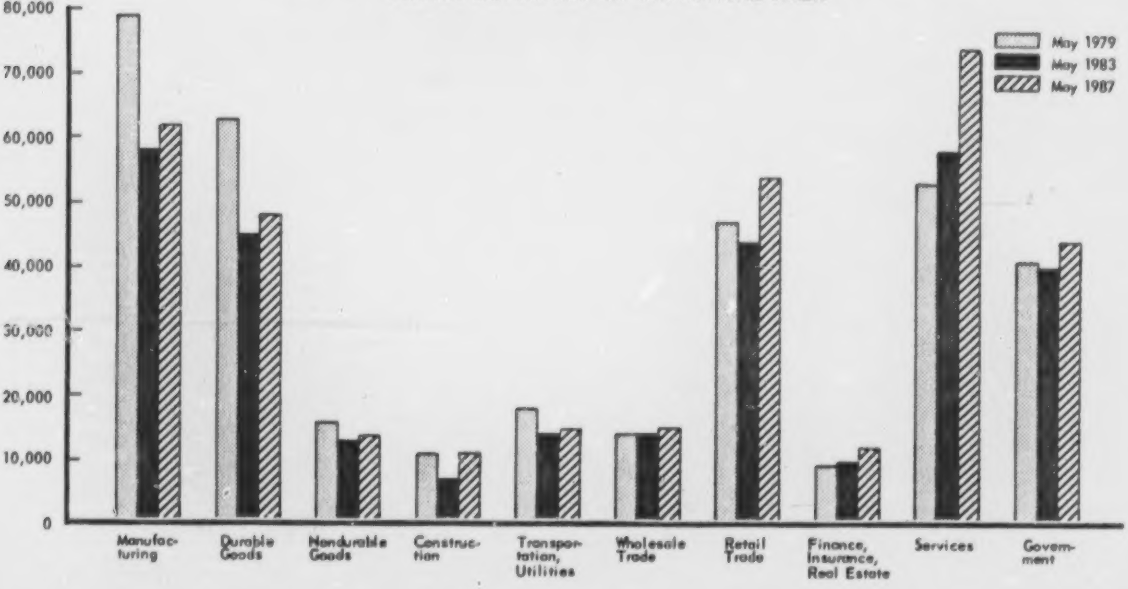
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
306.8	281.9	24.9	8.1	April	271.2	63.7	44.2	516.23	41.8	12.35
306.0	280.1	25.9	8.4	May	273.1	62.8	43.5	524.55	42.2	12.43
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.8	23.1	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
INA	INA	INA	INA	May	286.1	61.9	43.4	530.87	41.9	12.67

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	286.1	282.7	273.1	3.4	12.9
MANUFACTURING	61.9	62.3	62.8	- .4	- .9
Durable Goods[e]	48.0	48.4	49.0	- .4	- 1.0
Stone, clay, and glass products	7.9	7.8	8.6	.1	- .7
Primary metal industries	3.2	3.4	3.4	- .2	- .3
Fabricated metal products	7.4	7.4	7.4	.0	.0
Metal forgings and stampings	3.2	3.3	3.2	.0	.1
Machinery, except electrical	6.1	6.2	6.1	- .1	.0
Electric and electronic equipment	2.7	2.8	3.0	- .1	- .2
Transportation equipment	16.4	16.4	16.2	- .1	.2
Motor vehicles and equipment	15.4	15.5	15.2	- .1	.2
Nondurable Goods[f]	13.9	14.0	13.8	.0	.1
Food and kindred products	3.6	3.5	3.3	.0	.2
Rubber and misc. plastics products	3.1	3.2	3.0	- .1	.1
NONMANUFACTURING[g]	224.1	220.3	210.3	3.8	13.8
CONSTRUCTION	10.6	9.8	9.5	.8	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.5	14.4	13.8	.1	.7
Trucking and warehousing	5.6	5.6	5.4	.0	.3
Communication, electric, gas services	5.1	5.1	4.8	.0	.3
WHOLESALE TRADE	14.7	14.5	14.6	.1	.1
Wholesale trade-durable goods	9.7	9.5	9.8	.1	- .1
RETAIL TRADE	54.3	53.3	51.7	1.1	2.7
General merchandise stores	6.9	6.8	6.8	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.6	11.5	10.9	.2	.7
Banking	3.6	3.6	3.5	.0	.1
SERVICES	74.4	73.5	66.9	.8	7.5
Business services	14.4	14.1	12.8	.3	1.6
Health services	29.3	29.2	25.7	.1	3.7
Hospitals	15.4	15.4	14.6	.0	.8
GOVERNMENT	43.8	43.1	42.7	.7	1.2
State government	16.5	16.4	16.1	.2	.5
State government education[i]	12.4	12.2	12.1	.1	.2
State government, except education	4.2	4.1	3.9	.1	.2
Local government	24.7	24.2	24.0	.5	.7
Local government education	14.4	14.1	13.7	.3	.7
Local government, except education	10.3	10.1	10.3	.2	.0

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

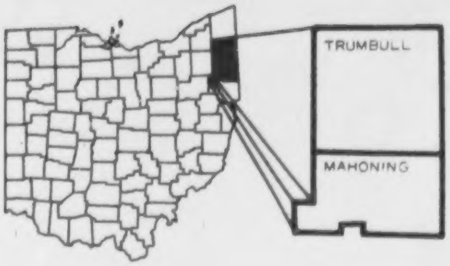
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$530.87	$537.21	$524.55	41.9	42.4	42.2	$12.67	$12.67	$12.43
Durable Goods[e]	555.35	560.62	548.66	42.2	42.6	42.4	13.16	13.16	12.94
Stone, clay, and glass products	507.83	511.52	557.36	40.4	40.5	44.2	12.57	12.63	12.61
Primary metal industries	489.06	507.05	506.66	42.9	44.4	44.6	11.40	11.42	11.36
Fabricated metal products	503.48	546.74	493.07	41.1	43.6	41.4	12.25	12.54	11.91
Metal forgings and stampings	610.90	670.60	577.68	42.9	45.9	41.8	14.24	14.61	13.82
Machinery, except electrical	490.99	464.39	465.92	42.4	40.7	41.6	11.58	11.41	11.20
Electric and electronic equipment	539.33	509.64	552.67	42.3	41.1	40.4	12.75	12.40	13.68
Transportation equipment	665.76	662.02	644.73	43.4	43.1	42.5	15.34	15.36	15.17
Motor vehicles and equipment	668.79	665.03	647.70	43.4	43.1	42.5	15.41	15.43	15.24
Nondurable Goods[f]	447.17	451.36	441.38	41.1	41.6	41.6	10.88	10.85	10.61
Food and kindred products	526.64	529.13	554.73	42.3	42.5	45.1	12.45	12.45	12.30
Rubber and misc. plastics products	316.80	336.58	310.86	40.0	41.4	39.6	7.92	8.13	7.85
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	620.76	583.67	580.56	42.9	41.9	42.1	14.47	13.93	13.79
WHOLESALE TRADE	361.55	355.89	362.16	38.3	37.7	38.9	9.44	9.44	9.31
RETAIL TRADE[h]	161.55	161.21	156.65	28.9	29.1	29.5	5.59	5.54	5.31

[a]See Technical Notes for concepts [b]Preliminary [c]Revised [d]Based on unrounded figures [e]Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing [f]Includes tobacco manufactures, textile mill products, apparel and other textile products; paper and allied products; printing and publishing, chemicals and allied products; petroleum and coal products; leather and leather products [g]Includes mining [h]Money payments only; tips not included [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j]Depressed due to labor-management disputes

Selected Administrative Program Activities

	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	2,523	2,260	2,137
Active File of Job Seekers	16,196	20,742	27,160
Referrals to Jobs	966	1,459	873
Placements	385	311	266
Job Openings Received	523	839	518
Job Openings Unfilled	1,263	1,306	565
Unemployment Insurance Program			
Initial Claims	3,639	4,197	4,295
Continued Claims	25,425	32,855	33,344
First Payments	1,149	1,203	1,693
Last Payments	445	374	458
Weeks Compensated	19,386	24,095	31,678
Benefits Paid	$2,830,234	$3,534,397	$4,961,362
Average Weekly Payment	$149.48	$149.92	$160.03

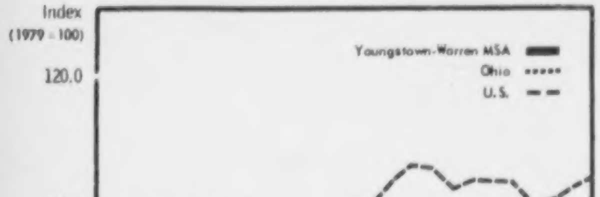
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



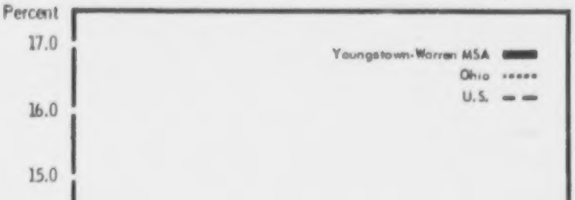
Nonagricultural wage and salary employment in the Youngstown-Warren area increased 1,900 since April, to 193,200. In nonmanufacturing, employment increased 2,500 over the month with gains occurring in construction, retail trade, and services. Manufacturing employment declined 600 over the month, to 50,900, with significant losses recorded in primary metal industries. Production workers averaged 42.9 hours per week, down .2 hours from April. They earned $13.28 an hour, up slightly from last month.

From May 1986 to May 1987, nonagricultural employment increased 3,400 in the Youngstown-Warren area. Nonmanufacturing employment rose 4,600, with the largest gains occurring in services, construction, and retail trade. Manufacturing dropped 1,200 over the year due to losses in durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



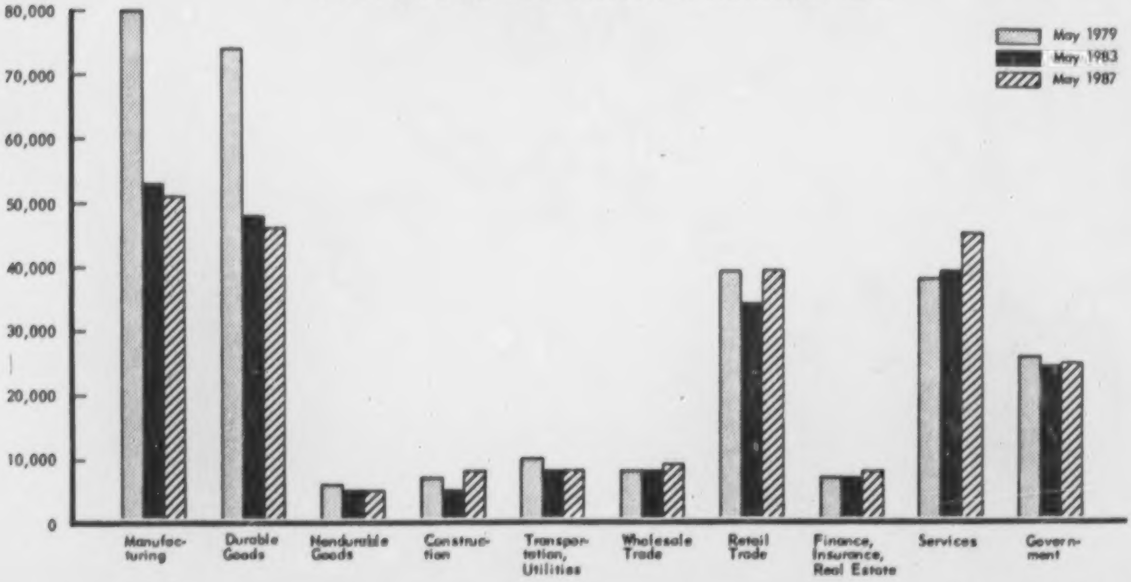
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
224.0	200.6	23.4	10.4	April	186.7	51.7	38.5	542.93	41.1	13.21
221.9	201.3	20.6	9.3	May	189.8	52.2	39.0	533.79	40.5	13.18
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
220.5	201.2	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
INA	INA	INA	INA	May	193.2	50.9	38.2	569.71	42.9	13.28

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	May 1987[b]	April 1987[c]	May 1986[c]	From Last Month	From Last Year
TOTAL	193.2	191.3	189.8	1.9	3.4
MANUFACTURING	50.9	51.6	52.2	- .6	-1.2
Durable Goods[e]	45.6	46.0	46.9	- .4	-1.3
Primary metal industries	19.3	19.9	19.8	- .5	- .5
Blast furnace and basic steel products	6.8	6.8	6.4	.0	.4
Fabricated metal products	7.6	7.6	7.9	.0	- .3
Machinery, except electrical	3.5	3.5	3.8	.0	- .3
Electric and electronic equipment	2.3	2.3	2.3	.0	.0
Transportation equipment	9.6	9.7	10.0	.0	- .3
Nondurable Goods[f]	5.4	5.6	5.3	- .2	.1
NONMANUFACTURING[g]	142.3	139.7	137.7	2.5	4.6
CONSTRUCTION	8.1	7.2	7.0	.9	1.1
TRANSPORTATION AND PUBLIC UTILITIES	8.1	8.1	7.6	.0	.5
Communication, electric, gas services	3.1	3.1	3.1	.0	.1
WHOLESALE TRADE	9.2	9.1	9.2	.1	.0
Wholesale trade-durable goods	5.9	5.8	6.1	.1	- .1
RETAIL TRADE	38.6	37.9	37.5	.6	1.0
General merchandise stores	5.4	5.5	5.5	.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.4	8.1	.0	.3
Banking	2.8	2.8	2.8	.0	.0
SERVICES	44.7	44.2	43.1	.5	1.6
Health services	19.7	19.7	18.8	.1	.9
Hospitals	10.3	10.3	10.0	.0	.3
GOVERNMENT	24.7	24.4	24.5	.3	.1
State government	4.2	3.9	4.2	.3	.0
State government education[i]	2.7	2.4	2.7	.3	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.4	18.4	18.3	.0	.1
Local government education	12.0	12.1	11.8	.0	.2
Local government, except education	6.4	6.4	6.4	.0	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1987[b]	April 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]	May 1987[b]	Apr. 1987[c]	May 1986[c]
MANUFACTURING	$569.71	$571.94	$533.79	42.9	43.1	40.5	$13.28	$13.27	$13.18
Durable Goods[e]	585.30	589.37	551.49	43.1	43.4	40.7	13.58	13.58	13.55
Primary metal industries	593.56	606.61	535.54	41.8	42.9	38.5	14.20	14.14	13.91
Blast furnace and basic steel products	606.70	637.56	488.43	43.9	46.1	36.1	13.82	13.83	13.53
Fabricated metal products	547.23	547.96	585.31	41.3	41.2	42.2	13.25	13.30	13.87
Machinery, except electrical	501.81	475.86	454.41	43.0	41.2	40.5	11.67	11.55	11.22
Electric and electronic equipment	431.35	439.01	405.46	40.2	40.8	38.8	10.73	10.76	10.45
Transportation equipment	710.79	715.73	657.62	47.8	48.1	43.9	14.87	14.88	14.98
Nondurable Goods[f]	419.61	398.78	361.46	41.3	40.2	38.7	10.16	9.92	9.34
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.79	540.50	514.63	40.9	40.7	40.3	13.32	13.28	12.77
WHOLESALE TRADE	344.93	338.69	338.69	38.8	37.8	39.2	8.89	8.96	8.64
RETAIL TRADE[h]	174.94	171.40	167.77	29.6	29.1	29.8	5.91	5.89	5.63

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, instruments and related products, miscellaneous manufacturing. [f] Includes food and kindred products, tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastics products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	May 1987	April 1987	May 1986
Employment Service Program			
New Applicants	1,731	1,848	2,189
Active File of Job Seekers	17,471	21,875	33,995
Referrals to Jobs	1,145	1,191	1,606
Placements	325	295	506
Job Openings Received	464	520	570
Job Openings Unfilled	632	593	524
Unemployment Insurance Program			
Initial Claims	3,768	4,478	4,098
Continued Claims	24,324	28,019	24,178
First Payments	1,185	1,120	1,274
Last Payments	429	442	514
Weeks Compensated	21,085	25,749	23,336
Benefits Paid	$2,994,524	$3,640,265	$3,353,531
Average Weekly Payment	$146.66	$146.28	$147.57

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	May 1987	April 1987	May 1986
New Applicants	36,395	42,612	42,607
Active File of Job Seekers	260,152	337,571	429,796
Counseling Interviews	1,411	1,729	2,660
Tests Administered	2,682	4,393	3,488
General Aptitude Tests	331	878	1,121
Proficiency Tests	466	600	537
Specific Aptitude Tests	600	655	637
Referrals to Jobs	24,927	28,655	25,719
Placements	6,191	5,936	6,778
Job Openings Received	13,951	15,472	15,018
Job Openings Unfilled	27,429	25,951	24,729

Selected Unemployment Insurance Activities

	May 1987	April 1987	May 1986
Initial Claims	44,061	54,816	57,347
Continued Claims	392,865	521,977	461,121
First Payments	18,737	20,064	22,558
Last Payments	8,090	8,677	10,140
Average Weekly Claimants	96,227	117,813	108,059
Average Weekly Benefit Recipients	81,305	101,157	92,561
Weeks Compensated	347,341	457,704	430,744
Benefits Paid	$50,695,031	$67,451,284	$63,411,938
Average Weekly Payment	$149.65	$150.96	$150.62
Continued Claims for Survey Week	91,986	109,357	106,675
Insured Unemployment Rate	2.3	2.8	2.6
Net Contributions	$352,610,306	$132,036,275	$327,904,012
Active Employer Accounts	195,506	194,529	192,297

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
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Labor Market Review

1986 Annual Summary

Errata

Several errors were made in preparing the data for the **1986 Annual Summary** edition of the ***Labor Market Review***. Unfortunately, the errors were not discovered until the edition had gone to press.

Corrected tables are attached and should replace those in the original publication:

page 25: Nonagricultural Wage and Salary Employment in Ohio, 1985
page 33: Average Weekly Earnings of Production or Nonsupervisory Workers in Ohio, 1986 (Continued)
page 58: Average Weekly Hours of Production or Nonsupervisory Workers in Cincinnati PMSA, 1986
page 103: Nonagricultural Wage and Salary Employment in Youngstown-Warren MSA, 1986

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4372.9	4237.6	4238.9	4282.7	4347.3	4405.8	4413.1	4379.5	4383.8	4427.7	4444.4	4454.2	4459.4
MANUFACTURING	1124.2	1122.7	1121.0	1124.2	1124.1	1128.9	1131.3	1124.6	1123.0	1124.2	1121.4	1122.8	1122.9
Durable Goods[b]	768.7	771.2	769.8	772.6	771.4	774.1	774.9	768.9	763.1	763.2	764.0	765.5	766.0
Lumber and wood products	17.0	15.3	15.2	15.6	16.6	17.1	17.5	17.5	17.9	17.7	17.8	18.0	17.7
Furniture and fixtures	14.7	15.2	15.0	15.2	14.7	14.9	14.7	14.6	14.8	14.5	14.5	14.3	14.3
Stone, clay, and glass products	50.5	49.7	49.1	49.5	50.0	50.6	51.0	50.5	51.5	51.4	51.2	50.8	50.1
Glass and glassware, pressed or blown.	11.5	12.4	12.3	12.1	11.8	11.6	11.4	10.6	11.2	11.2	11.2	11.1	11.1
Primary metal industries	101.8	105.0	105.1	105.7	104.6	104.7	103.9	101.1	98.1	97.8	97.6	98.9	99.3
Blast furnace and basic steel products	45.8	47.6	48.2	48.9	48.2	48.3	47.8	45.8	42.6	41.9	42.2	44.0	44.4
Iron and steel foundries	21.3	22.0	21.7	21.6	21.3	21.6	21.5	21.2	21.3	21.2	20.8	20.6	20.7
Nonferrous rolling and drawing	18.7	18.9	18.7	18.8	18.8	18.6	18.6	18.7	18.7	19.0	18.7	18.5	18.7
Fabricated metal products	139.5	138.8	138.7	138.8	139.5	140.9	140.8	139.5	139.1	140.2	140.0	139.3	138.2
Cutlery, hand tools, and hardware	11.3	11.7	11.7	11.6	11.4	11.5	11.4	11.1	11.1	111.2	11.2	11.2	11.1
Fabricated structural metal products	29.1	28.1	27.8	28.2	28.5	29.3	29.4	29.8	29.9	30.0	29.8	29.4	29.0
Metal forgings and stampings	44.4	44.8	44.6	44.6	44.9	45.2	45.0	43.7	42.9	44.0	44.4	44.3	43.9
Machinery, except electrical	166.1	169.3	168.5	168.9	168.5	167.4	167.6	165.9	163.9	164.0	163.4	162.7	162.5
Construction and related machinery	15.2	16.0	16.0	16.0	15.8	15.4	15.4	15.3	14.9	14.6	14.3	14.2	14.0
Metalworking machinery	42.7	42.7	42.7	42.9	42.8	42.7	42.7	42.9	42.7	42.6	42.6	42.3	42.3
Special industry machinery	18.0	18.5	18.3	18.3	18.2	18.1	18.2	17.9	17.7	18.0	17.8	17.7	17.7
General industrial machinery	30.5	32.0	31.5	31.2	30.8	30.6	30.6	30.4	30.1	30.1	29.6	29.3	29.3
Office and computing machines	13.6	13.7	13.6	13.7	13.7	13.7	13.9	13.8	13.6	13.4	13.4	13.5	13.5
Refrigeration and service machinery	17.0	17.1	17.3	17.4	17.5	17.3	17.3	16.9	16.3	16.6	16.6	16.6	16.7
Electric and electronic equipment	90.7	93.4	92.9	92.6	91.3	90.6	90.4	90.0	90.3	90.1	89.1	88.2	89.2
Electrical industrial apparatus	18.2	18.6	18.6	18.5	18.4	18.3	18.2	18.0	18.0	18.0	17.8	17.8	17.7
Household appliances	16.7	17.1	17.0	17.0	16.4	16.4	16.6	16.5	17.0	16.9	16.2	16.4	16.4
Electric lighting and wiring equipment	18.1	18.6	18.6	18.4	18.2	17.9	17.8	17.8	17.9	17.9	17.9	17.9	17.9
Communication equipment	10.9	11.5	11.3	11.3	11.1	10.9	10.9	10.8	10.7	10.8	10.6	10.7	10.7
Transportation equipment	151.2	147.7	148.5	149.6	149.3	150.6	151.9	152.0	149.4	149.9	152.9	156.0	157.2
Motor vehicles and equipment	99.3	97.7	98.4	99.0	98.2	99.3	99.8	99.9	96.7	96.2	101.7	102.0	102.8
Aircraft and parts	43.0	41.0	41.0	41.4	41.8	42.3	43.0	42.9	43.8	44.1	44.4	44.9	45.3
Instruments and related products	23.1	23.1	23.0	22.9	22.9	22.9	22.9	23.1	23.2	22.3	23.3	23.4	23.5
Measuring and controlling devices	12.4	12.6	12.5	12.3	12.3	12.2	12.2	12.3	12.4	12.4	12.4	12.5	12.5
Nondurable Goods[c]	355.5	351.5	351.2	351.6	352.6	354.8	356.4	355.7	359.9	361.1	357.3	357.3	356.9
Food and kindred products	62.9	61.5	60.7	61.1	61.2	61.9	62.8	63.1	65.5	66.3	63.8	63.0	63.2
Meat products	10.1	10.2	10.1	10.2	9.6	9.9	10.3	9.9	10.2	10.1	10.1	10.2	10.0
Dairy products	9.7	9.4	9.4	9.5	9.7	9.8	10.0	10.0	9.9	9.8	9.7	9.6	9.6
Preserved fruits and vegetables	11.0	10.6	10.2	10.3	10.3	10.3	10.4	10.7	12.7	13.9	11.5	10.8	10.7
Bakery products	8.7	8.3	8.4	8.4	8.6	8.6	8.8	9.0	8.9	8.7	8.8	8.8	8.9
Beverages	9.9	9.6	9.6	9.7	9.8	10.0	10.2	10.1	10.2	10.0	9.8	9.6	9.7
Apparel and other textile products	16.9	16.7	16.8	16.9	16.8	16.9	16.8	16.7	16.9	17.0	17.2	17.1	16.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.0	36.8	37.0	36.9	36.9	36.9	36.8	36.9	37.3	37.3	37.2	37.3	37.4
Misc. converted paper products	12.0	12.1	12.0	12.0	12.1	12.1	11.9	11.9	12.3	12.2	11.9	11.9	12.0
Paperboard containers and boxes	12.3	12.2	12.2	12.1	12.1	12.2	12.2	12.2	12.3	12.4	12.4	12.4	12.4
Printing and publishing	66.8	65.7	65.8	65.8	66.4	66.8	66.7	66.6	66.8	67.0	67.5	68.2	68.5
Newspapers	18.5	18.2	18.2	18.3	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.7	18.8
Commercial printing	25.1	24.7	24.5	24.7	25.0	25.0	24.9	24.8	25.1	25.4	25.8	25.9	26.1
Chemicals and allied products	62.8	62.3	62.2	62.4	63.0	63.2	63.3	63.5	63.9	63.3	61.7	62.3	62.3
Industrial inorganic chemicals	10.4	10.7	10.7	10.7	10.8	10.7	10.4	10.2	10.6	10.2	9.4	10.0	10.1
Rubber and misc. plastics products	91.4	91.3	91.4	91.1	90.9	91.2	91.7	91.0	91.1	92.0	92.1	91.9	91.6
Tires and inner tubes	19.9	20.5	20.6	20.5	20.5	20.4	20.2	19.7	19.5	19.3	19.3	19.1	18.9
Miscellaneous plastics products	51.2	50.5	50.4	50.3	50.2	50.6	51.0	51.0	51.4	52.3	52.4	52.1	52.2
NONMANUFACTURING	3248.6	3114.9	3117.9	3158.6	3223.2	3276.9	3281.8	3254.9	3260.7	3303.5	3323.1	3331.4	3336.5
MINING	26.1	26.5	25.8	26.0	26.2	26.4	26.5	26.5	25.9	26.0	25.8	25.8	25.4
Bituminous coal and lignite mining	10.8	10.8	10.6	10.9	11.1	11.0	10.9	10.9	10.6	10.7	10.7	10.6	10.5
Oil and gas extraction	10.8	11.8	11.5	11.1	10.7	10.7	10.8	10.8	10.7	10.5	10.4	10.5	10.6
CONSTRUCTION	154.0	127.5	120.8	130.0	145.2	156.4	161.5	168.4	172.1	172.3	172.6	165.3	156.2
General building contractors	38.3	33.0	30.9	33.3	36.3	38.5	40.0	41.7	42.0	41.6	42.2	41.5	39.3
Heavy construction contractors	20.4	13.6	12.4	14.0	18.2	22.2	23.7	24.9	25.0	25.2	24.8	21.5	18.9
Highway and street construction	8.6	4.0	3.7	4.6	7.3	10.0	10.9	11.4	11.8	11.8	11.3	9.4	7.2
Special trade contractors	95.3	80.9	77.6	82.7	90.7	95.8	97.8	101.9	105.1	105.5	105.6	102.3	97.9
TRANSPORTATION AND PUBLIC UTILITIES	202.7	197.8	198.2	199.3	201.7	203.5	204.9	204.0	204.3	204.9	204.9	204.6	204.5
Railroad transportation	17.0	17.3	16.9	16.5	17.2	17.6	17.6	17.3	17.4	17.2	17.0	16.6	16.0
Transportation, except railroads	95.4	91.2	91.9	93.3	94.7	95.7	96.5	95.8	95.9	97.1	97.4	97.6	98.2
Trucking and warehousing	68.5	66.1	66.6	67.6	67.8	68.4	68.9	68.8	68.6	69.3	69.5	69.7	70.4
Communication, electric, gas services	90.2	89.4	89.4	89.5	89.8	90.2	90.8	90.8	91.0	90.6	90.5	90.4	90.3
Communication	49.5	49.2	49.3	49.4	49.6	49.7	49.9	49.6	49.7	49.6	49.5	49.4	49.0
Electric, gas, and sanitary services	40.7	40.1	40.0	40.1	40.2	40.4	40.9	41.2	41.3	41.0	41.1	41.1	41.2
WHOLESALE TRADE	243.7	240.4	240.3	242.0	243.4	245.2	245.7	244.6	244.7	244.3	244.7	244.8	244.8
Wholesale trade-durable goods	154.9	152.5	152.4	153.8	154.8	155.9	156.1	155.6	155.6	154.9	155.6	155.7	155.7
Motor vehicles & automotive equipment	22.7	22.9	22.9	23.5	23.3	23.2	23.1	22.8	22.5	22.1	21.9	22.0	21.9
Electrical goods	20.6	20.1	20.1	20.1	20.3	20.5	20.7	20.5	20.6	20.6	20.9	21.0	21.2
Machinery, equipment, and supplies	66.0	64.3	64.5	64.9	65.4	66.0	66.3	66.4	66.6	66.5	67.1	67.2	67.4
Wholesale trade-nondurable goods	88.9	87.9	87.8	88.2	88.6	89.3	89.6	89.1	89.1	89.4	89.1	89.2	89.2
Groceries and related products	27.7	27.3	27.2	27.4	27.5	27.7	27.9	27.8	27.9	28.0	27.8	27.8	27.9
RETAIL TRADE	787.9	752.9	740.1	751.5	772.2	789.9	795.7	795.0	800.8	802.4	805.6	817.7	831.2
General merchandise stores	114.7	116.2	108.8	109.0	109.7	111.5	111.6	110.7	112.1	113.9	117.2	124.4	130.7
Department stores	104.0	106.8	99.6	99.7	100.0	101.4	101.3	100.2	101.2	102.6	105.3	112.1	117.9
Food stores	125.4	121.1	120.8	121.5	123.2	125.1	125.6	126.7	127.0	127.3	127.3	128.8	130.9
Automobile dealers and service stations	86.6	82.8	82.7	83.9	86.0	87.2	88.1	88.1	88.3	88.3	88.1	88.2	88.0
Apparel and accessory stores	37.1	35.9	34.8	35.2	35.7	36.3	36.4	36.2	37.1	37.3	38.3	39.6	41.9
Eating and drinking places	274.2	253.7	252.5	259.3	271.2	280.2	283.5	283.4	285.6	284.7	280.0	278.6	278.1

See footnotes at end of table.

2.

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

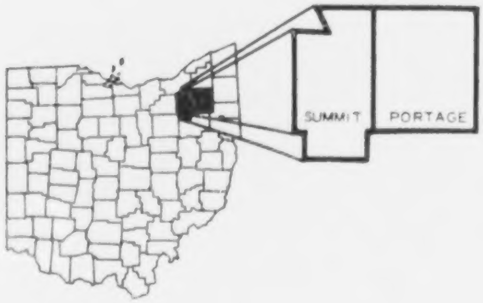
Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$487.28	$481.23	$484.74	$473.00	$472.56	$478.93	$481.34	$496.15	$483.34	$499.26	$495.29	$493.50	$503.10
Misc. converted paper products	452.24	440.67	450.24	431.74	430.77	448.44	452.24	465.88	459.78	469.34	460.67	454.82	468.00
Paperboard containers and boxes	416.37	403.75	409.92	402.69	408.85	411.18	412.58	414.39	412.30	435.56	422.30	432.72	434.30
Printing and publishing	410.70	403.37	400.62	408.67	398.91	407.33	402.80	406.75	410.80	417.40	418.95	429.37	429.46
Newspapers	348.15	329.31	325.38	333.00	335.30	357.00	350.87	349.17	348.16	356.68	357.76	361.53	376.88
Commercial printing	410.34	406.58	404.99	412.85	397.55	397.88	390.40	401.95	416.16	419.52	422.42	433.78	414.47
Chemicals and allied products	514.04	508.02	506.57	515.10	503.84	509.96	520.67	502.94	509.99	518.22	512.05	521.59	534.06
Industrial inorganic chemicals	551.27	552.98	542.10	534.78	528.21	548.69	563.86	550.12	556.19	568.01	550.84	555.10	559.99
Rubber and misc. plastics products	438.96	442.96	438.44	438.60	423.43	433.15	443.66	431.38	438.65	441.34	443.23	447.38	444.19
Tires and inner tubes	633.40	641.55	630.20	622.89	628.38	625.14	653.80	633.25	660.81	628.34	635.51	634.20	611.88
Miscellaneous plastics products	423.73	424.15	424.15	426.13	404.89	416.64	426.43	412.93	419.42	425.96	428.40	435.89	434.02
MINING	521.02	527.77	513.30	507.91	511.17	512.13	514.17	512.00	524.18	538.77	516.67	528.96	551.89
Bituminous coal and lignite mining	619.42	636.23	623.08	614.66	611.94	615.91	607.75	591.14	631.08	635.95	597.40	623.83	648.06
CONSTRUCTION	579.34	602.16	572.14	574.93	580.39	587.39	581.10	559.78	595.81	588.85	588.35	565.74	557.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	537.02	516.65	515.36	529.10	523.67	526.50	537.92	543.58	536.61	549.70	552.49	551.26	553.73
Communication	526.82	502.44	503.23	519.30	510.24	513.11	531.95	541.03	524.88	539.97	545.61	541.82	549.92
Electric, gas, and sanitary services	548.14	534.42	529.72	541.99	539.79	543.02	543.92	547.87	551.45	560.77	561.60	561.60	559.73
WHOLESALE TRADE	366.42	357.77	356.96	360.89	365.38	366.03	367.06	368.68	366.81	368.39	369.57	371.99	374.22
Wholesale trade-durable goods	362.22	356.80	353.98	358.66	362.06	361.82	364.98	363.92	362.61	366.83	364.59	364.72	368.28
Wholesale trade-nondurable goods	372.06	360.02	361.38	363.47	371.62	373.18	372.23	375.65	373.01	371.50	376.92	382.71	383.72
RETAIL TRADE[d]	157.28	153.39	153.71	153.97	155.04	156.67	158.30	160.52	159.10	159.26	158.44	157.32	162.09
General merchandise stores	178.19	165.82	168.04	169.80	179.08	181.76	185.13	188.17	183.92	182.70	179.67	174.89	181.62
Department stores	183.25	169.48	172.25	174.05	184.14	186.85	190.30	193.44	188.80	187.52	184.11	179.26	186.91
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	248.32	243.08	245.31	245.33	247.68	249.72	245.24	247.26	249.66	250.55	251.79	250.72	253.44
Credit agencies other than banks	242.53	236.81	237.82	237.98	246.13	243.32	242.77	240.40	244.47	243.38	244.91	243.87	247.74
Insurance carriers	328.21	315.16	319.21	319.11	324.04	324.31	323.48	325.98	327.20	333.66	338.18	342.96	343.24
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	.....	......	......	......	......	......	......	......
Hospitals	318.59	313.07	312.56	312.96	314.63	315.63	317.63	320.82	321.55	324.53	322.01	320.41	322.68

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-0 (1986)

AKRON

PRIMARY METROPOLITAN STATISTICAL AREA

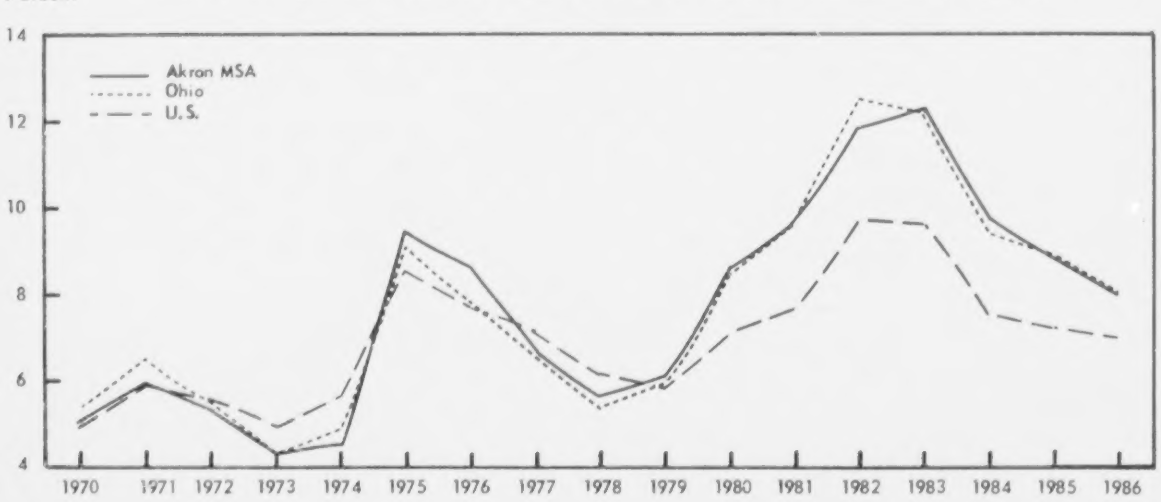


The estimated annual average civilian labor force in the Akron metropolitan area, based on place of residence, increased by 1,700 jobs, from 317,800 in 1985, to 319,500 in 1986. Total employment advanced 4,000 over the year, to 293,900, while unemployment registered a decrease of 2,400, to a 1986 level of 25,600. The unemployment rate declined from 8.8 percent in 1985, to 8.0 percent in 1986. (See table, page 35, top.)

Nonagricultural wage and salary employment in the Akron area rose .9 percent, from 257,600 in 1985, to 260,000 in 1986. Despite a slight recovery in 1985, manufacturing employment fell by 1,300 in 1986. Rubber and miscellaneous plastics products, especially tires and inner tubes, contributed heavily to the decline. Expansion in construction, retail trade, and services helped negate the losses in manufacturing. Retail trade and services had net gains of 1,000 and 1,400 jobs, respectively, to pace nonmanufacturing divisions.

Since the 1979-1983 recessionary period, the major concentration of growth in the Akron area has been in retail trade, with a net gain of 4,700 jobs. Services was second with an addition of 3,100 jobs. Most industries in the area recorded a slight but steady recovery. Tires and inner tubes continued to decline, with a net loss of 1,600 jobs between 1983 and 1986.(See table, page 35, bottom.)

AKRON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$10.76	$10.70	$10.78	$10.75	$10.67	$10.61	$10.64	$10.67	$10.73	$10.80	$10.80	$10.96	$10.98
Durable Goods[b]	10.84	10.78	10.86	10.73	10.75	10.51	10.67	10.74	10.77	10.94	10.96	11.16	11.13
Fabricated metal products	9.47	9.50	9.23	9.41	9.42	9.40	9.40	9.56	9.55	9.55	9.55	9.55	9.47
Fabricated structural metal products	9.90	9.90	9.62	9.85	9.93	9.72	9.86	10.13	10.13	9.95	10.00	10.00	9.69
Machinery, except electrical	9.92	9.74	9.86	9.94	9.95	10.03	9.83	9.91	9.96	9.95	10.00	10.00	9.88
Metalworking machinery	10.86	10.53	10.75	10.81	10.93	11.14	10.71	10.92	10.89	10.81	10.91	11.10	10.91
General industrial machinery	9.31	8.95	9.04	9.25	9.52	9.43	9.20	9.33	9.38	9.47	9.43	9.37	9.32
Electric and electronic equipment	8.85	8.93	8.93	8.94	8.83	8.80	8.76	8.63	8.60	8.96	8.84	8.98	8.95
Transportation equipment	14.40	14.12	14.24	14.17	14.23	14.07	14.10	14.22	14.38	14.58	14.63	15.01	14.86
Motor vehicles and equipment	15.42	15.30	15.43	15.52	15.64	15.92	15.28	14.87	15.28	15.39	15.51	15.49	15.51
Nondurable Goods[c]	10.68	10.61	10.69	10.78	10.59	10.71	10.61	10.59	10.69	10.63	10.62	10.76	10.81
Food and kindred products	10.95	10.88	10.83	10.84	10.76	10.90	10.83	10.98	11.00	11.08	10.92	11.14	11.24
Beverages	12.14	12.05	12.07	12.01	12.14	12.03	12.15	12.22	12.12	12.25	12.10	12.12	12.40
Apparel and other textile products	5.58	5.50	5.55	5.55	5.63	5.68	5.62	5.51	5.68	5.69	5.51	5.59	5.51
Paper and allied products	9.82	9.51	9.66	9.65	9.82	9.78	9.86	9.95	9.87	9.82	9.87	10.00	9.95
Printing and publishing	11.26	11.12	10.98	11.28	11.18	11.19	11.16	11.26	11.33	11.43	11.39	11.43	11.38
Commercial printing	11.79	11.74	11.43	11.93	11.71	11.74	11.68	11.77	11.88	11.96	11.85	11.91	11.87
Chemicals and allied products	12.32	12.33	12.50	12.57	12.25	12.33	12.22	12.05	12.44	12.08	12.25	12.44	12.35
Rubber and misc. plastics products	9.07	9.12	8.84	9.01	8.55	9.41	9.03	9.14	8.99	9.14	9.17	9.16	9.13
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.06	12.90	12.81	12.95	12.86	13.03	13.01	13.08	12.94	13.25	13.28	13.28	13.27
WHOLESALE TRADE	9.41	9.41	9.32	9.35	9.37	9.44	9.50	9.48	9.41	9.43	9.39	9.41	9.44
RETAIL TRADE[d]	5.53	5.43	5.47	5.47	5.49	5.47	5.52	5.50	5.51	5.59	5.62	5.61	5.63

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-3 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.1	41.8	41.3	41.8	41.4	41.9	41.7	41.7	42.2	42.3	42.5	43.3	43.0
Durable Goods[b]	42.3	41.9	41.7	42.0	41.9	42.2	42.0	41.5	42.0	42.6	42.7	43.4	43.6
Fabricated metal products	42.2	41.9	39.7	41.9	40.9	41.1	41.3	42.7	44.1	43.1	43.1	43.2	42.8
Fabricated structural metal products	43.3	43.8	37.7	43.5	41.9	42.1	42.2	46.6	47.2	44.6	43.9	43.6	42.5
Machinery, except electrical	42.4	41.8	41.6	42.9	42.9	43.2	42.0	41.5	42.2	42.2	42.4	43.4	43.1
Metalworking machinery	42.7	40.8	42.4	44.0	42.5	43.1	41.2	41.2	43.7	42.9	43.6	44.0	43.9
General industrial machinery	42.5	40.8	40.0	43.4	44.5	44.1	41.6	41.0	41.7	42.5	42.9	44.2	43.8
Electric and electronic equipment	40.7	41.4	39.8	41.0	40.1	40.4	41.6	39.5	39.7	41.2	40.9	41.1	41.2
Transportation equipment	44.8	43.7	45.5	43.9	44.5	45.3	44.2	43.6	43.4	45.4	45.1	46.2	46.9
Motor vehicles and equipment	44.2	45.4	45.5	43.7	44.5	47.1	44.2	40.7	42.0	44.8	44.4	44.3	44.8
Nondurable Goods[c]	41.8	41.7	40.8	41.6	40.7	41.7	41.4	41.9	42.4	41.9	42.3	43.2	42.4
Food and kindred products	42.6	41.5	40.5	40.9	41.4	43.0	42.3	44.4	44.1	43.6	42.8	43.3	43.7
Beverages	42.4	42.3	40.4	40.5	41.2	41.9	41.7	44.1	43.5	44.2	42.9	41.4	43.9
Apparel and other textile products	37.5	38.8	36.6	38.8	37.7	37.5	36.3	35.9	36.4	36.7	38.8	39.2	37.4
Paper and allied products	41.1	41.6	41.6	40.5	40.8	39.9	40.2	40.9	40.6	41.4	41.4	42.7	41.5
Printing and publishing	39.4	39.4	39.1	39.7	38.6	38.8	38.5	39.2	39.2	39.8	40.1	40.4	40.0
Commercial printing	42.4	42.8	42.1	42.9	41.4	40.1	39.7	41.7	42.3	43.5	44.4	43.9	44.4
Chemicals and allied products	42.8	42.5	42.3	43.5	42.0	42.8	42.6	42.3	43.5	42.2	42.7	44.3	42.7
Rubber and misc. plastics products	46.2	47.4	44.3	46.5	40.8	46.7	46.6	46.1	47.3	46.2	46.6	47.2	48.0
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	39.8	39.3	39.0	40.2	39.8	39.5	39.6	40.3	39.8	39.9	39.9	40.1	40.1
WHOLESALE TRADE	40.6	40.5	40.1	40.3	40.5	40.6	40.6	41.3	40.4	40.8	40.7	41.1	40.6
RETAIL TRADE	29.2	29.0	28.4	28.8	29.2	29.2	29.8	29.8	29.8	29.3	28.8	28.8	29.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-3 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	188.2	183.6	182.6	183.4	186.7	189.8	189.6	187.6	187.8	191.1	191.7	191.9	192.5
MANUFACTURING	52.0	52.6	51.8	51.7	51.7	52.2	52.1	51.5	51.5	52.3	52.3	52.2	52.2
Durable Goods[b]	46.6	47.2	46.6	46.5	46.6	46.9	46.9	46.1	46.1	46.8	46.7	46.6	46.8
Primary metal industries	19.7	20.2	19.9	19.6	19.5	19.8	19.7	19.3	19.3	19.9	19.9	19.8	19.9
Blast furnace and basic steel products	6.4	6.4	6.4	6.4	6.3	6.4	6.4	6.4	6.2	6.3	6.4	6.4	6.4
Fabricated metal products	7.7	7.8	7.8	7.7	7.8	7.9	7.9	7.8	7.5	7.5	7.7	7.8	7.8
Machinery, except electrical	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5
Electric and electronic equipment	2.4	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Transportation equipment	10.0	9.9	9.9	10.0	10.1	10.0	10.0	9.9	10.0	10.0	9.8	9.9	10.1
Nondurable Goods[c]	5.4	5.3	5.2	5.2	5.1	5.3	5.2	5.3	5.4	5.5	5.7	5.6	5.4
NONMANUFACTURING[d]	136.2	131.0	130.8	131.7	135.0	137.7	137.5	136.2	136.3	138.8	139.4	139.7	140.3
CONSTRUCTION	6.8	5.2	5.1	5.3	6.3	7.0	7.4	7.7	8.0	7.8	7.9	7.4	6.8
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.4	7.4	7.5	7.5	7.6	7.7	7.7	7.9	8.0	8.1	8.1	8.2
Communication, electric, gas services	3.1	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
WHOLESALE TRADE	9.0	8.6	8.6	8.6	8.9	9.2	9.3	9.2	9.2	9.1	9.0	9.0	9.0
Wholesale trade-durable goods	5.9	5.6	5.6	5.7	5.8	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.8
RETAIL TRADE	37.3	36.5	35.9	36.0	36.9	37.5	37.6	37.3	37.5	37.6	37.7	38.4	39.0
General merchandise stores	5.8	6.4	6.0	5.7	5.6	5.5	5.6	5.4	5.4	5.6	5.7	6.2	6.3
FINANCE, INSURANCE, AND REAL ESTATE	8.0	7.7	7.7	7.8	8.0	8.1	8.2	8.3	8.2	8.1	8.1	8.1	8.2
Banking	2.8	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
SERVICES	42.9	41.1	41.1	41.3	42.[illegible]	43.1	43.4	43.9	43.8	44.6	43.7	43.3	43.5
Health services	19.0	18.4	18.5	18.5	18.8	18.8	19.0	19.4	19.3	19.4	19.2	19.3	19.6
Hospitals	10.1	9.7	9.8	9.8	10.0	10.0	10.0	10.5	10.4	10.5	10.3	10.3	10.5
GOVERNMENT	23.7	23.9	24.4	24.5	24.2	24.5	23.4	21.5	21.0	23.0	24.2	24.8	25.0
State government	3.9	3.8	4.2	4.3	3.9	4.2	4.2	3.6	3.3	3.2	3.8	4.2	4.3
State government education	2.4	2.4	2.8	2.8	2.4	2.7	2.6	2.0	1.7	1.7	2.4	2.8	2.8
State government, except education	1.5	1.4	1.5	1.4	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.4	1.5
Local government	17.7	18.0	18.1	18.2	18.2	18.3	17.2	15.8	15.7	17.8	18.3	18.5	18.6
Local government education	11.2	11.6	11.8	11.9	11.8	11.8	10.6	9.2	9.1	11.2	11.8	12.0	12.1
Local government, except education	6.5	6.4	6.3	6.4	6.4	6.4	6.6	6.7	6.6	6.5	6.5	6.5	6.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-8 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	184.2	178.2	178.5	180.5	183.1	186.0	185.8	184.1	182.3	187.8	188.4	187.7	187.9
MANUFACTURING	52.7	52.6	52.5	53.0	52.9	52.8	52.9	52.3	50.0	53.8	53.8	53.3	53.1
Durable Goods[b]	47.5	47.4	47.4	47.8	47.7	47.7	47.9	47.2	44.7	48.4	48.2	47.8	47.9
Primary metal industries	20.7	21.0	20.8	21.1	21.1	20.9	20.9	20.4	20.3	20.5	20.4	20.2	20.2
Blast furnace and basic steel products	6.8	7.0	7.1	7.4	7.3	7.3	7.3	6.7	6.5	6.4	6.5	6.4	6.3
Fabricated metal products	8.0	7.9	8.0	8.0	8.0	8.1	8.1	8.0	8.1	8.1	8.2	8.0	8.0
Machinery, except electrical	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.1	4.0	4.0	4.0	3.9	3.8
Electric and electronic equipment	2.6	2.8	2.7	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Transportation equipment	8.9	8.6	8.6	8.6	8.7	8.8	8.9	8.8	6.5	9.9	9.8	9.8	10.0
Nondurable Goods[c]	5.2	5.2	5.1	5.2	5.2	5.1	5.0	5.1	5.2	5.4	5.6	5.5	5.2
NONMANUFACTURING[d]	131.4	125.6	126.0	127.5	130.2	133.1	132.9	131.8	132.4	134.0	134.7	134.5	134.8
CONSTRUCTION	6.3	4.8	4.5	4.9	5.6	6.3	6.9	7.2	7.7	7.4	7.2	6.6	6.0
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8	7.7	7.7
Communication, electric, gas services	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
WHOLESALE TRADE	8.6	8.3	8.3	8.4	8.6	8.7	8.8	8.6	8.8	8.8	8.7	8.6	8.6
Wholesale trade-durable goods	5.7	5.5	5.5	5.6	5.7	5.8	5.9	5.8	5.8	5.8	5.7	5.7	5.7
RETAIL TRADE	36.7	34.9	34.3	34.8	36.1	36.9	37.3	37.1	37.4	37.5	37.3	38.0	38.6
General merchandise stores	6.2	6.2	5.8	5.7	5.8	5.9	6.0	6.1	6.3	6.3	6.5	7.0	7.2
FINANCE, INSURANCE, AND REAL ESTATE	7.5	7.2	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8
Banking	2.6	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
SERVICES	41.1	39.4	39.8	40.3	40.9	41.6	41.8	41.8	41.6	42.3	41.6	41.0	40.9
Health services	18.1	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3
Hospitals	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8
GOVERNMENT	23.0	23.0	23.7	23.8	23.4	23.9	22.2	21.0	20.9	22.1	23.7	24.2	24.5
State government	3.8	3.6	4.1	4.2	3.8	4.1	4.0	3.2	3.1	2.7	3.8	4.3	4.3
State government education	2.3	2.2	2.7	2.7	2.3	2.7	2.5	1.6	1.6	1.2	2.4	2.8	2.8
State government, except education	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.5
Local government	17.3	17.5	17.6	17.7	17.6	17.8	16.2	15.8	15.8	17.4	17.9	18.0	18.2
Local government education	10.9	11.2	11.4	11.5	11.4	11.5	9.6	9.2	9.2	11.0	11.6	11.7	11.7
Local government, except education	6.4	6.3	6.2	6.3	6.3	6.3	6.6	6.7	6.6	6.5	6.3	6.3	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

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Ohio
Labor
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Information

Labor Market Review

June 1987

Summary. Ohio's unemployment rate (seasonally adjusted) dropped from 7.9 percent in May 1987 to 7.2 percent in June. This equaled the April rate, which was the lowest in Ohio since March 1980. The U.S. rate also dropped, from 6.3 percent to 6.1 percent. Total employment, at 4,859,000, was down 19,000 from May. There were [illegible] fewer jobless Ohioans in June, lowering the number of unemployed to [illegible]. Seasonally adjusted nonagricultural wage and salary employment in Ohio decreased 6,000 to 4,566,000 in June. Most of the loss occurred in manufacturing industries. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio, at [illegible] in June, was down 6,000 from May. Employment in durable-goods industries declined 4,000 to 731,000, while nondurable-goods employment declined 2,000, to [illegible].

Nonmanufacturing. Employment in nonmanufacturing divisions rose slightly from [illegible] to [illegible] in June. Services and construction had small gains, while transportation and public utilities, wholesale trade, and government all declined slightly. Employment was unchanged in mining, retail trade, and finance, insurance, and real estate.

Over the Year. Total employment in Ohio rose 107,000 from June 1986 to June 1987. The number of unemployed workers fell 74,000 during the same period, lowering Ohio's unemployment rate from 8.7 percent to 7.2 percent. The national rate decreased from 7.1 percent in June 1986 to 6.1 percent in June 1987. Ohio nonfarm wage and salary employment was up 100,000 from June 1986. Services gained [illegible], retail trade advanced 29,000. All other divisions had slight to moderate employment increases, except manufacturing, which fell 27,000, and mining, which declined 2,000.

Factory Hours and Earnings. Average weekly earnings and weekly hours for manufacturing production workers, at $497.68 and 42.5 hours, respectively, were unchanged from May. Most industries had no significant changes in earnings. Increased overtime raised earnings in metal forgings and stampings and general industrial machinery. Earnings were lower in motor vehicles and equipment and household appliances.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 55,473 in June, up 25.9 percent from May, and up 1.3 percent from June 1986. The average weekly number of benefit recipients fell 9.3 percent, to 73,711.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Dr. Roberta Steinbacher, Administrator

Total benefits paid, at $43.0 million, were down 15.1 percent from the previous month. The average weekly benefit check of $147.91 was $1.74 less than in May. At the end of June, there were 197,026 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 41,471 new job applicants in June, up 13.9 percent from May, but down 11.1 percent from June 1986. Job openings from employers fell 3.8 percent from May, to 13,416. The Employment Services Division made 26,800 job referrals and 8,473 placements.

Hire Persons with Disabilities

People at Work is what the American dream is all about and people with disabilities are a part of this dream. But some are excluded. Many people ignore the ABILITY and just see the DISABILITY.

It's difficult to reach your dream without a job. Various studies show that approximately two-thirds of all disabled workers between 16 and 64 years old are not working — do what you can to promote employment and to employ qualified workers with disabilities.

Call your local Job Service Office for referral of qualified disabled job applicants.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1987	May 1987	Jun. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,237	5,294	5,204	-57	33	-1.1	0.6
Employment	4,859	4,878	4,752	-19	107	-0.4	2.3
Unemployment	378	416	452	-38	-74	-9.1	-16.4
Unemployment Rate	7.2	7.9	8.7				
Employer Survey Data[e]							
Total	4,566	4,572	4,466	-6	100	-0.1	2.2
Manufacturing	1,084	1,091	1,111	-6	-27	-0.6	-2.4
Durable Goods	731	735	755	-4	-24	-0.6	-3.2
Nondurable Goods	354	356	356	-2	-3	-0.6	-0.8
Nonmanufacturing	3,482	3,481	3,355	1	127	0.0	3.8
Mining	20	21	22	0	-2	-1.9	-9.4
Construction	173	173	160	1	13	0.4	8.3
Transportation and Public Utilities	210	211	202	-1	8	-0.4	4.0
Wholesale Trade	249	250	245	-1	4	-0.2	1.6
Retail Trade	847	847	818	0	29	0.0	3.6
Finance, Insurance, and Real Estate	242	242	231	0	11	0.1	4.7
Services	1,052	1,050	996	2	57	0.2	5.7
Government	688	689	680	-1	7	-0.2	1.1
Goods Producing Industries[f]	1,278	1,284	1,293	-6	-16	-0.5	-1.2
Service Producing Industries[g]	3,288	3,288	3,173	0	116	0.0	3.6

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	US			Manufacturing		
								Durable	Nondurable
					1985				
5,078	4,645	433	8.5	7.3	June	4,368	1,124	770	355
5,150	4,647	503	9.8	7.3	July	4,374	1,122	767	355
5,132	4,675	457	8.9	7.1	August	4,380	1,119	763	356
5,167	4,701	466	9.0	7.1	September	4,385	1,114	759	355
5,172	4,707	465	9.0	7.1	October	4,398	1,117	762	356
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,570	1,098	741	357
5,294	4,878	416	7.9	6.3	May	4,572	1,091	735	356
5,237	4,859	378	7.2	6.1	June	4,566	1,084	731	354

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,244	26	154	203	244	June	789	218	948	663
3,252	26	154	202	243	July	790	219	952	667
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,482	20	173	210	249	June	847	242	1052	688

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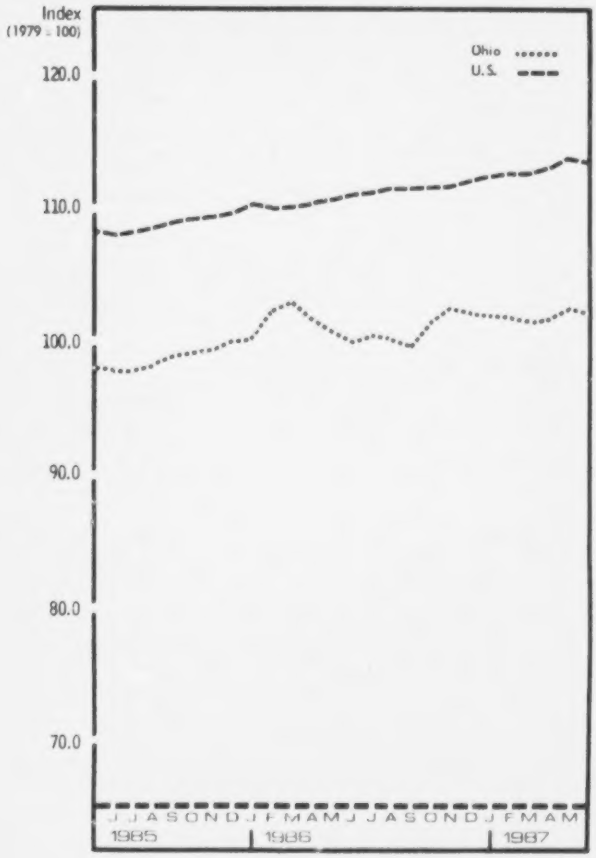
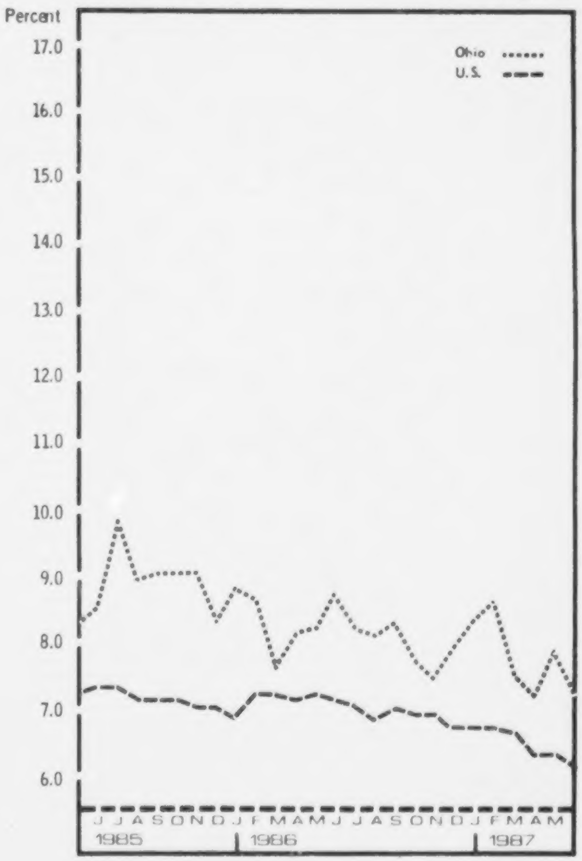
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.

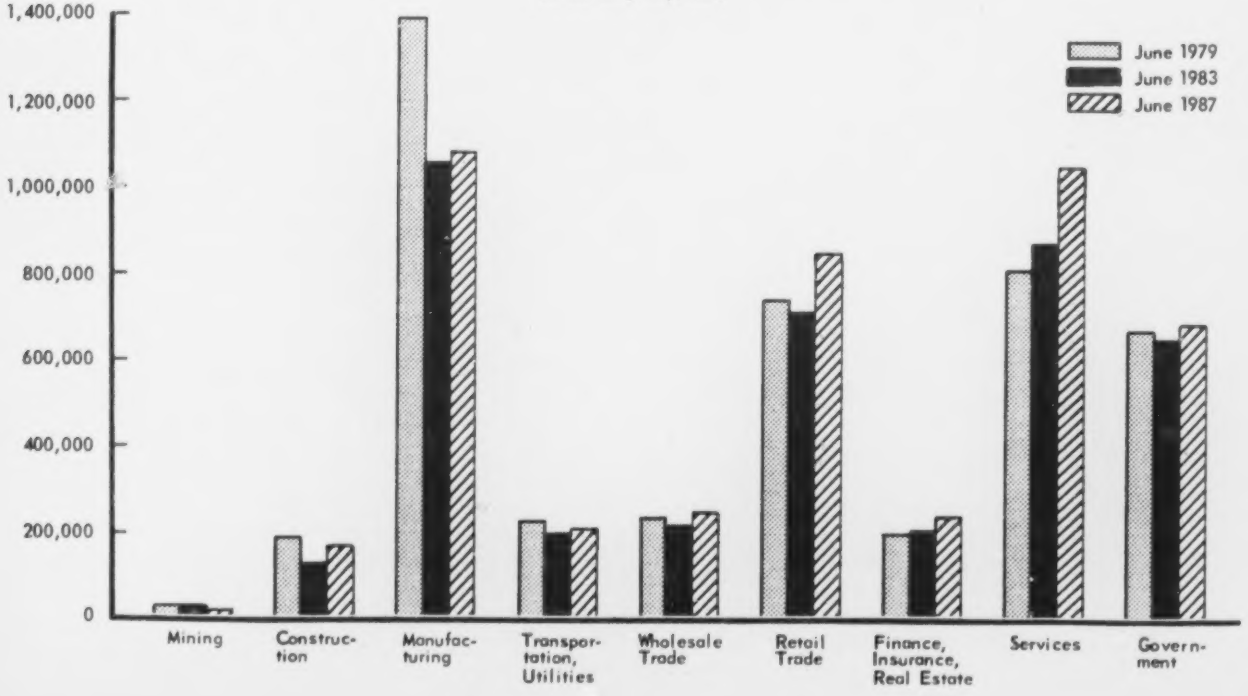
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,751	4,380	370	7.8	7.7	1976
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,139	4,684	456	8.9	7.2	1985
5,234	4,809	426	8.1	7.0	1986
					1986
5,267	4,809	458	8.7	7.3	June
5,295	4,882	413	7.8	7.0	July
5,261	4,838	423	8.0	6.7	August
5,189	4,755	434	8.4	6.8	September
5,263	4,855	408	7.8	6.6	October
5,282	4,894	388	7.3	6.6	November
5,259	4,841	418	7.9	6.3	December
					1987
5,196	4,744	452	8.7	7.3	January
5,205	4,732	473	9.1	7.2	February
5,154	4,749	405	7.9	6.9	March
5,205	4,837	367	7.1	6.2	April
5,264	4,892	372	7.1	6.1	May
5,293	4,909	384	7.3	6.3	June

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1976	4,094.6	1,295.3	910.6	384.6
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,475.2	1,109.3	753.2	356.1
1986				
June	4,510.9	1,118.3	760.1	358.2
July	4,478.3	1,105.8	750.6	355.2
August	4,488.4	1,107.4	748.4	359.0
September	4,531.8	1,109.4	748.0	361.4
October	4,546.2	1,098.4	741.5	356.9
November	4,563.9	1,105.8	749.1	356.7
December	4,569.4	1,106.3	749.6	356.7
1987				
January	4,466.2	1,095.7	741.2	354.6
February	4,467.2	1,096.0	742.4	353.6
March	4,492.3	1,092.1	738.4	353.6
April	4,556.9	1,094.4	740.1	354.3
May	4,600.3	1,091.0	736.4	354.5
June	4,613.6	1,091.9	736.6	355.3

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,392.6	22.5	168.1	203.7	247.0	June	825.3	233.5	1,012.8	679.8
3,372.5	22.6	175.3	208.1	247.1	July	825.9	236.1	1,013.8	643.5
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,521.7	20.4	182.1	211.8	251.0	June	854.7	244.4	1,070.3	687.0

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment

(in thousands)

	Manufacturing	Durable Goods	Nondurable Goods
1976	1,295.3	910.6	384.6
1977	1,344.1	945.2	398.9
1978	1,377.2	974.5	402.7
1979	1,382.3	980.5	401.8
1980	1,264.3	882.6	381.8
1981	1,232.6	860.4	372.2
1982	1,099.9	752.4	347.5
1983	1,066.0	723.6	342.4
1984	1,127.0	773.4	353.6
1985	1,124.3	768.7	355.5
1986	1,109.3	753.2	356.1
1986			
June	1,118.3	760.1	358.2
July	1,105.8	750.6	355.2
August	1,107.4	748.4	359.0
September	1,109.4	748.0	361.4
October	1,098.4	741.5	356.9
November	1,105.8	749.1	356.7
December	1,106.3	749.6	356.7
1987			
January	1,095.7	741.2	354.6
February	1,096.0	742.4	353.6
March	1,092.1	738.4	353.6
April	1,094.4	740.1	354.3
May	1,091.0	736.4	354.5
June	1,091.9	736.6	355.3

Production Workers in Manufacturing

	Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1976	926.1	233.9	38.2
1977	958.0	271.2	40.2
1978	985.5	302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.0	368.9	31.9
1986			
June	764.9	368.5	32.0
July	751.6	357.5	31.1
August	753.5	362.7	31.6
September	756.4	368.6	32.0
October	746.3	360.9	31.3
November	755.2	375.4	32.2
December	755.4	383.8	32.6
1987			
January	746.3	375.1	31.9
February	747.3	373.0	31.7
March	744.9	371.4	31.7
April	748.5	369.0	31.5
May	745.2	370.9	31.7
June	745.5	371.0	31.7

Production Workers Average Weekly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$252.54	$258.75	$235.00
1977	283.08	292.02	258.34
1978	306.91	316.83	279.30
1979	325.36	335.30	297.78
1980	347.94	358.57	319.99
1981	389.78	401.64	358.16
1982	403.81	414.80	378.95
1983	437.18	452.35	402.52
1984	463.61	482.38	417.83
1985	477.96	499.56	425.80
1986	486.68	507.95	439.71
1986			
June	481.85	500.99	439.71
July	475.69	491.00	438.19
August	481.43	500.99	439.30
September	487.30	507.03	443.72
October	483.53	502.25	444.52
November	497.14	517.80	449.40
December	508.15	531.14	454.92
1987			
January	502.58	524.96	449.53
February	499.05	520.88	446.71
March	498.53	519.95	448.86
April	492.99	514.25	443.72
May	497.68	517.45	450.78
June	497.68	518.23	452.03

Production Workers Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1976	41.2	41.4	41.3
1977	42.0	42.2	41.4
1978	42.1	42.3	41.5
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1986			
June	41.9	42.1	41.6
July	41.4	41.4	41.3
August	41.9	42.1	41.6
September	42.3	42.5	41.9
October	41.9	42.1	41.7
November	42.6	42.9	42.0
December	43.1	43.5	42.2
1987			
January	42.7	43.1	41.7
February	42.4	42.8	41.4
March	42.5	42.9	41.6
April	42.1	42.5	41.2
May	42.5	42.8	41.7
June	42.5	42.9	41.7

Production Workers Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1976	$6.10	$6.25	$5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
June	11.50	11.90	10.57
July	11.49	11.86	10.61
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.73	12.12	10.79
April	11.71	12.10	10.77
May	11.71	12.09	10.81
June	11.71	12.08	10.84

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[*]

Employment

(in thousands)

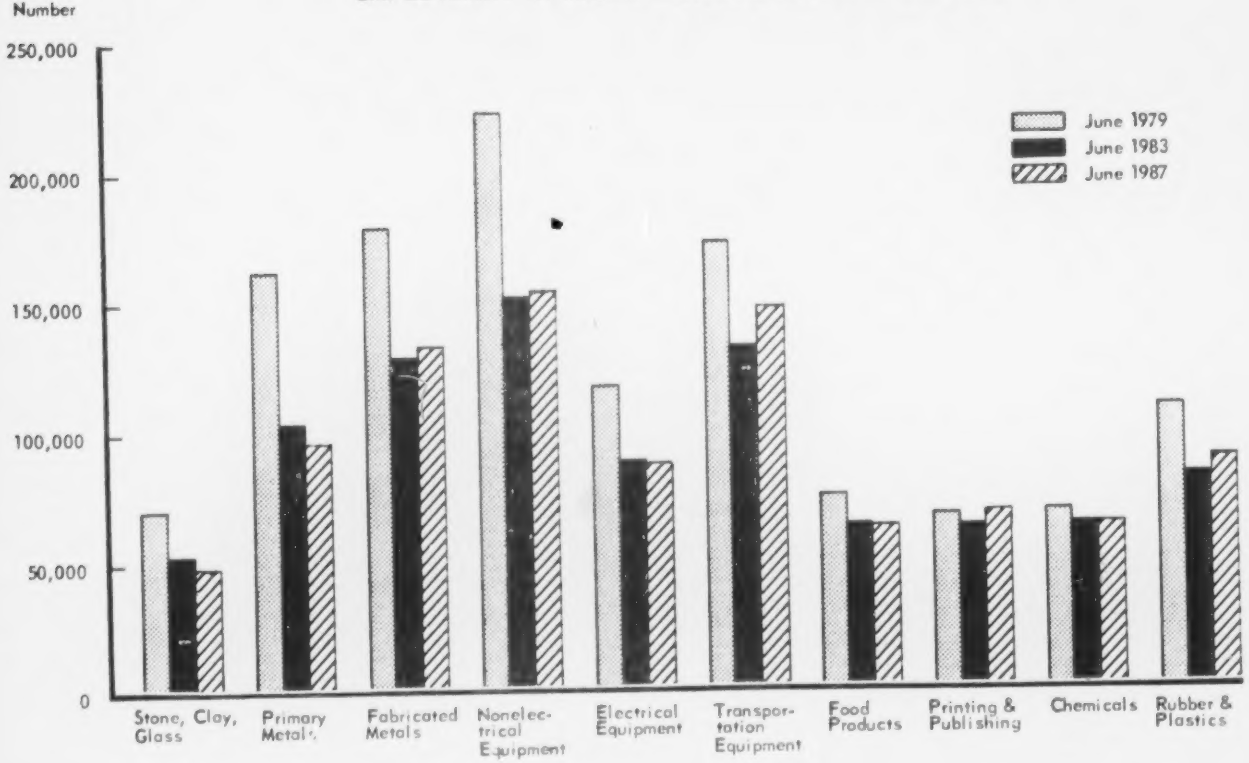
	Stone, Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.7	151.2	62.9	66.8	91.4
1986	49.4	95.4	136.8	158.7	89.8	153.5	62.6	68.6	91.5
1986									
June	50.5	97.2	137.8	160.3	89.6	154.0	62.6	68.9	92.9
July	50.4	93.9	135.5	159.0	89.1	153.5	63.0	68.9	90.2
August	50.6	91.9	135.5	158.3	90.4	151.1	66.2	68.9	90.2
September	50.4	90.1	137.2	158.1	90.1	151.2	66.6	69.3	91.2
October	48.6	90.9	136.0	152.7	90.1	152.5	63.1	69.4	90.6
November	49.2	93.6	136.3	156.0	90.2	153.8	62.4	69.4	90.9
December	49.0	94.1	136.0	156.1	90.2	154.4	62.7	69.1	91.3
1987									
January	47.8	93.8	134.3	155.0	90.6	151.7	62.0	68.8	91.3
February	47.9	95.5	133.5	154.1	89.8	153.6	61.5	69.1	90.8
March	47.7	96.7	133.3	153.8	89.0	148.9	61.5	69.1	90.4
April	48.0	96.7	132.5	153.5	88.0	151.6	62.2	69.3	89.8
May	48.2	95.5	131.8	153.2	87.3	150.3	62.7	69.3	88.9
June	48.4	95.6	133.4	153.7	87.6	147.1	62.9	69.2	88.8

Average Weekly Earnings of Production Workers

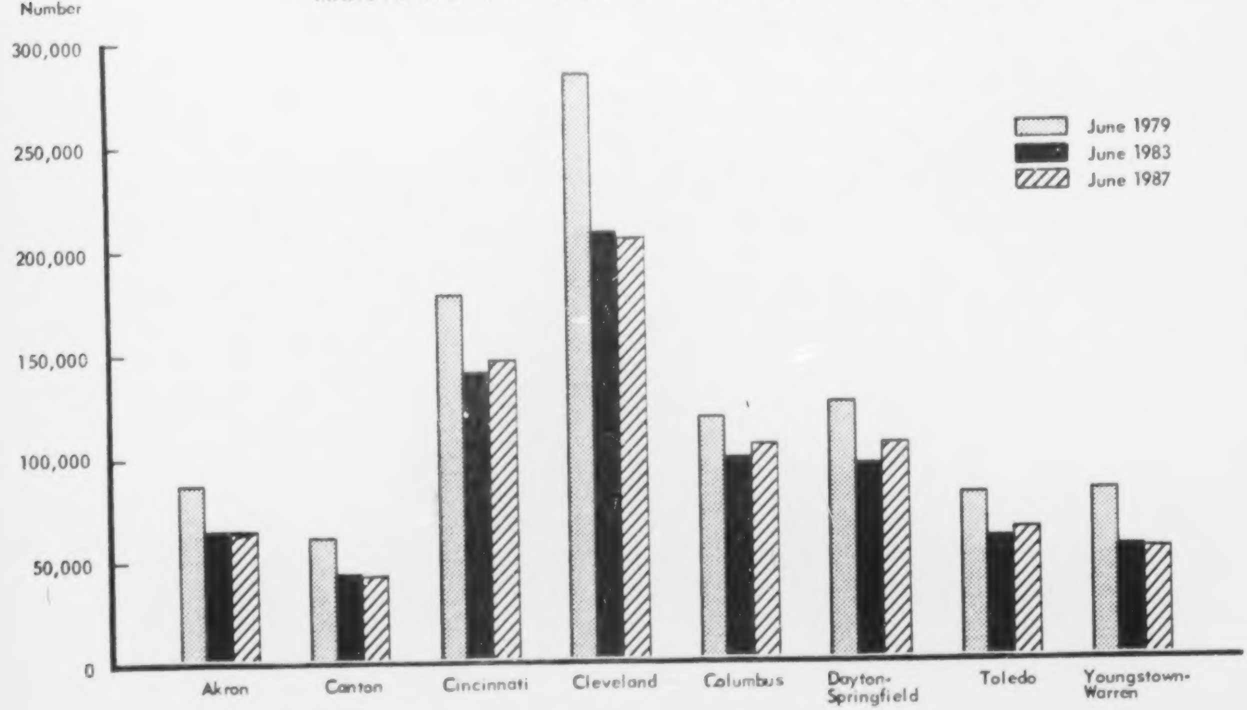
	Stone, Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	$232.40	$294.58	$256.68	$253.31	$221.54	$302.87	$242.92	$252.20	$237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1986									
June	443.56	546.89	494.06	483.07	450.58	616.40	417.91	402.80	443.66
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	447.62	559.68	494.38	485.41	464.88	629.31	420.33	417.40	441.34
October	447.44	563.50	488.36	482.58	456.77	610.76	426.72	418.95	443.23
November	442.08	583.73	503.01	492.33	471.33	646.46	423.85	429.37	447.38
December	441.00	596.23	515.70	510.82	489.89	656.48	436.77	429.46	444.19
1987									
January	441.31	593.61	515.91	498.53	473.61	647.91	438.46	416.96	443.59
February	440.67	590.46	510.27	499.80	457.47	646.46	435.77	420.53	433.82
March	449.35	587.80	506.75	506.32	463.29	640.46	436.60	415.56	438.35
April	447.68	595.35	491.82	495.33	461.61	630.08	430.56	414.02	431.38
May	457.52	594.49	495.33	497.14	463.14	634.04	440.11	418.88	435.27
June	463.11	598.51	500.44	505.04	454.69	630.84	444.69	420.04	436.77

[*] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	4513.6	4600.3	4510.9	13.4	102.7
MANUFACTURING	1091.9	1091.0	1118.3	.9	-26.4
Durable Goods[e]	736.6	736.4	760.1	.1	-23.5
Lumber and wood products	20.1	19.7	18.4	.4	1.7
Furniture and fixtures	14.6	14.7	14.8	-.1	-.2
Stone, clay, and glass products	48.4	48.2	50.5	.2	-2.1
Glass and glassware, pressed or blown	10.5	10.5	11.1	.0	-.6
Primary metal industries	95.6	95.5	97.2	.1	-1.6
Blast furnace and basic steel products	44.6	44.6	44.0	.0	.6
Iron and steel foundries	19.0	19.0	20.4	.0	-1.3
Nonferrous rolling and drawing	16.9	16.9	17.7	.1	-.8
Fabricated metal products	133.4	131.8	137.8	1.6	-4.5
Cutlery, hand tools, and hardware	9.8	9.9	10.4	-.1	-.6
Fabricated structural metal products	28.5	28.0	29.6	.5	-1.1
Metal forgings and stampings	42.4	42.1	43.8	.3	-1.4
Machinery, except electrical	153.7	153.2	160.3	.5	-6.6
Construction and related machinery	11.9	11.9	13.0	.0	-1.1
Metalworking machinery	38.6	38.9	41.8	-.3	-3.2
Special industry machinery	16.9	16.8	17.2	.1	-.2
General industrial machinery	26.7	26.7	28.6	.0	-1.9
Office and computing machines	13.7	13.4	13.7	.3	.0
Refrigeration and service machinery	17.2	17.0	16.6	.2	.6
Electric and electronic equipment	87.6	87.3	89.6	.3	-2.0
Electrical industrial apparatus	16.6	16.7	17.3	-.1	-.7
Household appliances	17.0	16.5	16.9	.6	.1
Electric lighting and wiring equipment	17.4	17.4	17.7	.0	-.3
Communication equipment	10.0	10.0	10.4	.1	-.3
Transportation equipment	147.1	150.3	154.0	-3.2	-6.9
Motor vehicles and equipment	93.5	96.6	98.4	-3.1	-4.9
Aircraft and parts	44.2	44.3	46.3	-.1	-2.1
Instruments and related products	22.0	21.9	23.4	.1	-1.4
Measuring and controlling devices	12.1	12.0	12.3	.1	-.2
Nondurable Goods[f]	355.3	354.5	358.2	.8	-2.9
Food and kindred products	62.9	62.7	62.6	.2	.3
Meat products	9.9	9.9	9.8	.0	.1
Dairy products	10.4	10.4	10.2	.0	.2
Preserved fruits and vegetables	10.1	10.3	10.4	-.1	-.3
Bakery products	8.8	8.9	8.8	-.1	.0
Beverages	10.3	10.0	10.1	.3	.2
Apparel and other textile products	15.7	15.0	16.0	-.2	-.2
Paper and allied products	37.6	37.3	37.1	.2	.4
Misc. converted paper products	11.9	12.0	11.6	-.1	.2
Paperboard containers and boxes	13.1	12.9	12.7	.2	.4
Printing and publishing	69.2	69.3	68.9	-.1	.3
Newspapers	19.2	19.3	19.4	-.1	-.2
Commercial printing	26.4	26.5	26.1	-.1	.3
Chemicals and allied products	64.2	63.9	63.5	.3	.7
Industrial inorganic chemicals	10.2	10.2	9.9	.0	.3
Rubber and misc. plastics products	88.8	88.9	92.9	-.1	-4.1
Tires and inner tubes	16.5	16.4	18.2	.1	-1.8
Miscellaneous plastics products	52.9	53.0	54.1	-.1	-1.2

See footnotes on page 13

Ohio (continued)

Nonagricultural Wage & Salary Employment^{a}

	Employment (in thousands)			Change^{d} (in thousands)	
	June 1987^{b}	May 1987^{c}	June 1986^{c}	From Last Month	From Last Year
NONMANUFACTURING	3521.7	3509.3	3392.6	12.4	129.1
MINING	20.4	20.4	22.5	.0	- 2.1
Bituminous coal and lignite mining	9.2	9.3	10.2	- .1	- .9
Oil and gas extraction	6.5	6.4	7.5	.1	- 1.1
CONSTRUCTION	182.1	173.8	168.1	8.3	14.0
General building contractors	46.9	44.4	42.3	2.5	4.5
Heavy construction contractors	24.8	22.9	23.5	1.8	1.2
Highway and street construction	12.6	11.1	11.4	1.4	1.2
Special trade contractors	110.4	106.5	102.2	4.0	8.2
TRANSPORTATION AND PUBLIC UTILITIES	211.8	210.8	203.7	1.0	8.1
Railroad transportation	15.0	15.0	15.9	.0	- .9
Transportation, except railroads	103.0	102.0	97.8	1.0	5.2
Trucking and warehousing	71.0	70.3	68.4	.7	2.6
Communication, electric, gas services	93.8	93.8	90.0	.0	3.8
Communication	52.5	52.6	49.0^{j}	.0	3.6
Electric, gas, and sanitary services	41.2	41.2	41.0	.0	.2
WHOLESALE TRADE	251.0	249.8	247.0	1.2	4.0
Wholesale trade-durable goods	158.4	157.7	156.2	.7	2.2
Motor vehicles & automotive equipment	22.4	22.2	22.6	.2	- .2
Electrical goods	20.7	20.6	20.3	.1	.4
Machinery, equipment, and supplies	68.3	68.2	67.4	.1	.9
Wholesale trade-nondurable goods	92.6	92.1	90.8	.5	1.8
Groceries and related products	29.7	29.5	28.7	.2	1.0
RETAIL TRADE	854.7	848.4	825.3	6.3	29.4
General merchandise stores	110.6	110.2	110.9	.5	- .3
Department stores	98.0	97.5	98.8	.5	- .9
Food stores	131.5	131.0	128.8	.5	2.7
Automotive dealers & service stations	96.3	95.3	91.9	1.0	4.3
Apparel and accessory stores	39.6	39.5	37.5	.1	2.1
Eating and drinking places	308.4	305.0	297.5	3.4	10.8
FINANCE, INSURANCE, AND REAL ESTATE	244.4	242.0	233.5	2.4	10.9
Banking	63.1	62.4	61.7	.7	1.3
Credit agencies other than banks	38.8	38.5	36.7	.3	2.1
Insurance carriers	65.6	65.2	63.2	.4	2.4
Life insurance	24.2	24.1	23.6	.1	.6
Fire, marine, and casualty insurance	29.1	28.9	28.6	.2	.5
SERVICES	1070.3	1059.5	1012.8	10.8	57.5
Hotels and other lodging places	35.8	34.7	35.2	1.1	.7
Personal services	57.0	56.8	53.3	.2	3.7
Laundry, cleaning, & garment services	18.9	18.8	18.3	.1	.6
Business services	214.7	211.5	191.9	3.2	22.8
Services to buildings	30.1	29.7	28.0	.3	2.0
Computer and data processing services	19.6	19.4	17.3	.2	2.3
Amusement and recreation services	53.5	47.6	51.2	5.9	2.3
Health services	360.5	358.2	344.5	2.3	16.1
Nursing and personal care facilities	79.8	78.9	76.7	.9	3.1
Hospitals	176.9	176.0	169.6	.9	7.3
Educational services	53.8	58.1	54.7	- 4.3	- .9
Colleges and universities	26.6	29.8	27.4	- 3.3	- .9
GOVERNMENT	687.0	704.6	679.8	-17.6	7.2
Federal government	94.4	94.2	94.3	.2	.1
State government	149.1	158.4	145.9	- 9.3	3.2
State government education^{i}	73.5	84.3	72.3	-10.8	1.2
State government, except education	75.6	74.1	73.6	1.5	2.0
Local government	443.4	451.9	439.6	- 8.5	3.9
Local government education	251.6	264.7	248.5	-13.1	3.1
Local government, except education	191.8	187.2	191.1	4.6	.8

See footnotes on page 13

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$497.68	$497.68	$481.85	42.5	42.5	41.9	$11.71	$11.71	$11.50
Durable Goods[e]	516.23	517.45	500.99	42.9	42.8	42.1	12.08	12.09	11.90
Lumber and wood products	308.59	306.29	295.80	42.1	41.9	40.8	7.33	7.31	7.25
Furniture and fixtures	347.56	347.44	339.06	40.7	40.4	40.9	8.54	8.60	8.29
Stone, clay, and glass products	463.11	457.52	[illegible]	43.0	42.6	41.3	10.77	10.74	10.74
Glass and glassware, pressed or blown	458.40	453.37	473.93	40.0	39.7	41.5	11.46	11.42	11.42
Primary metal industries	598.51	594.49	546.89	44.4	44.2	41.4	13.48	13.45	13.21
Blast furnace and basic steel products	625.54	619.58	541.90	45.1	44.8	40.2	13.87	13.83	13.48
Iron and steel foundries	623.12	617.16	583.87	44.7	44.4	42.9	13.94	13.90	13.61
Nonferrous rolling and drawing	592.89	591.51	557.75	41.9	42.1	40.3	14.15	14.05	13.84
Fabricated metal products	500.44	495.33	494.06	42.7	42.3	42.3	11.72	11.71	11.68
Cutlery, hand tools, and hardware	464.76	476.95	472.83	40.1	40.8	39.7	11.59	11.69	11.91
Fabricated structural metal products	460.31	459.23	439.03	43.1	42.6	43.0	10.68	10.78	10.21
Metal forgings and stampings	620.93	604.47	628.09	44.1	43.3	43.8	14.08	13.96	14.34
Machinery, except electrical	505.04	497.14	483.07	42.8	42.6	42.3	11.80	11.67	11.42
Construction and related machinery	419.62	427.23	399.38	40.7	41.6	39.7	10.31	10.27	10.06
Metalworking machinery	479.76	473.71	465.62	43.3	42.6	42.6	11.08	11.12	10.93
Special industry machinery	483.79	483.84	469.37	42.7	43.2	43.5	11.33	11.20	10.79
General industrial machinery	536.54	514.00	502.10	43.2	42.2	42.3	12.42	12.18	11.87
Office and computing machines	410.86	421.08	397.54	42.4	43.5	42.7	9.69	9.68	9.31
Refrigeration and service machinery	568.65	558.78	572.40	42.5	42.3	43.2	13.38	13.21	13.25
Electric and electronic equipment	454.69	463.14	450.58	41.0	41.5	41.3	11.09	11.16	10.91
Electrical industrial apparatus	472.91	466.62	434.68	42.3	42.0	40.7	11.18	11.11	10.68
Household appliances	446.22	478.53	462.26	38.6	40.9	40.8	11.56	11.70	11.33
Electric lighting and wiring equipment	469.58	470.50	462.73	41.3	41.2	41.8	11.37	11.42	11.07
Communication equipment	499.78	531.22	484.86	41.1	43.4	41.3	12.16	12.24	11.74
Transportation equipment	630.84	634.04	616.40	43.9	44.0	43.5	14.37	14.41	14.17
Motor vehicles and equipment	651.04	654.89	645.77	43.9	44.1	43.9	14.83	14.85	14.71
Aircraft and parts	589.53	589.62	565.76	44.3	44.1	44.2	13.31	13.37	12.80
Instruments and related products	362.06	365.31	352.14	39.7	40.1	39.7	9.12	9.11	8.87
Measuring and controlling devices	350.03	360.30	345.73	37.8	38.7	38.5	9.26	9.31	8.98
Nondurable Goods[f]	452.03	450.78	439.71	41.7	41.7	41.6	10.84	10.81	10.57
Food and kindred products	444.69	440.11	417.91	42.8	42.4	41.5	10.39	10.38	10.07
Meat products	391.43	384.45	379.04	43.3	43.1	41.2	9.04	8.92	9.20
Dairy products	457.72	458.17	450.64	43.1	42.7	43.0	10.62	10.73	10.48
Preserved fruits and vegetables	425.54	427.68	384.56	40.8	40.5	40.1	10.43	10.56	9.59
Bakery products	479.70	466.80	456.46	41.0	40.0	39.9	11.70	11.67	11.44
Beverages	458.32	443.66	429.51	43.9	43.2	41.7	10.44	10.27	10.30
Apparel and other textile products	279.38	275.59	267.10	37.5	37.7	37.2	7.45	7.31	7.18
Paper and allied products	509.81	508.27	481.34	45.6	45.3	44.2	11.18	11.22	10.89
Misc. converted paper products	458.95	452.76	452.24	44.3	44.0	44.6	10.36	10.29	10.14
Paperboard containers and boxes	452.93	459.96	412.58	44.8	44.7	42.1	10.11	10.29	9.80
Printing and publishing	420.04	418.88	402.80	38.5	38.5	38.0	10.91	10.88	10.60
Newspapers	368.54	374.85	350.87	34.9	35.7	34.5	10.56	10.50	10.17
Commercial printing	405.21	404.69	390.40	39.0	39.1	38.2	10.39	10.35	10.22
Chemicals and allied products	532.55	531.71	520.67	41.9	41.9	42.4	12.71	12.69	12.28
Industrial inorganic chemicals	582.34	588.67	563.86	42.6	43.0	42.3	13.67	13.69	13.33
Rubber and misc. plastics products	436.77	435.27	443.66	42.2	42.3	43.2	10.35	10.29	10.27
Tires and inner tubes	597.02	596.94	653.80	43.2	43.7	46.7	13.82	13.66	14.00
Miscellaneous plastics products	424.45	423.95	426.43	41.9	42.1	42.9	10.13	10.07	9.94

See footnotes on page 13

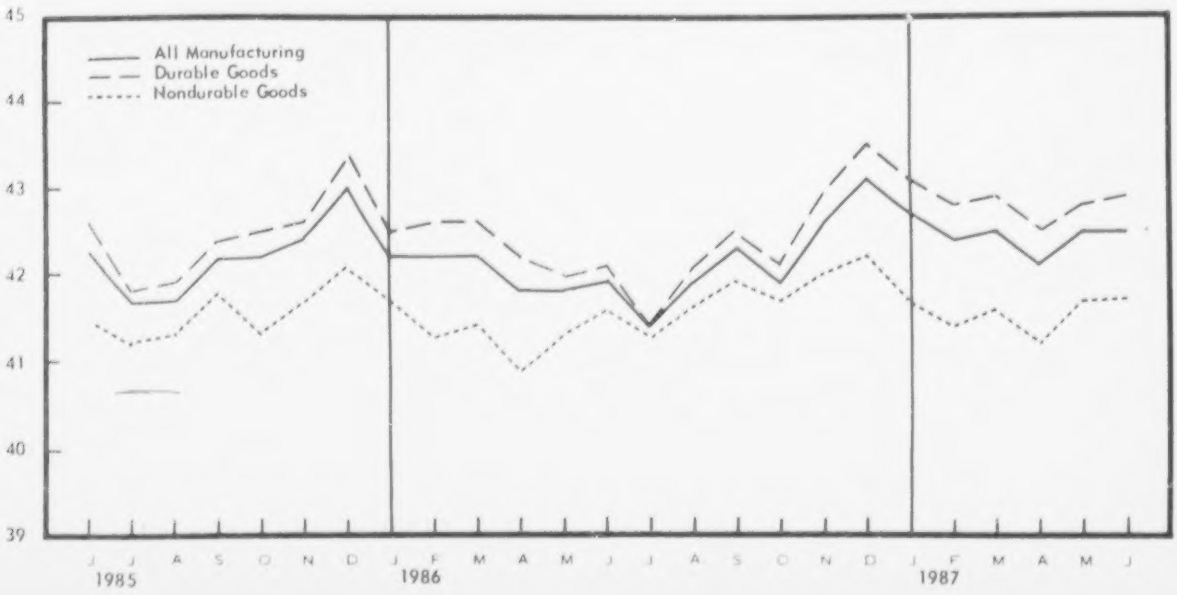
Ohio (continued)

Hours & Earnings of Production or Nonsupervisory Workers[a]

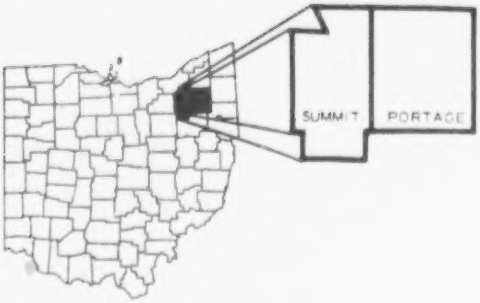
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MINING	$523.87	$525.16	$514.17	42.8	42.8	43.5	$12.24	$12.27	$11.82
Bituminous coal and lignite mining	622.40	617.72	607.75	40.6	40.4	41.4	15.33	15.29	14.68
CONSTRUCTION	557.48	562.11	581.10	38.5	38.9	39.0	14.48	14.45	14.90
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	554.32	543.63	537.92	41.0	40.6	41.0	13.52	13.39	13.12
Communication	544.16	526.40	531.95	40.7	40.0	40.7	13.37	13.16	13.07
Electric, gas, and sanitary services	566.22	567.72	543.92	41.3	41.5	41.3	13.71	13.68	13.17
WHOLESALE TRADE	376.66	375.71	367.06	39.4	39.3	39.3	9.56	9.56	9.34
Wholesale trade-durable goods	371.62	370.44	364.98	39.2	39.2	39.5	9.48	9.45	9.24
Wholesale trade-nondurable goods	384.87	384.73	372.23	39.8	39.5	39.1	9.67	9.74	9.52
RETAIL TRADE[h]	162.14	160.17	158.30	28.8	28.5	29.1	5.63	5.62	5.44
General merchandise stores	183.84	181.40	185.13	29.7	29.4	30.3	6.19	6.17	6.11
Department stores	189.53	187.03	190.30	29.8	29.5	30.4	6.36	6.34	6.26
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	260.99	260.96	245.24	....	....	....	.....	.....	.....
Credit agencies other than banks	250.03	249.18	242.77	....	....	....	.....	.....	.....
Insurance carriers	344.95	344.83	323.48	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	329.01	327.03	317.63	33.1	32.9	33.4	9.94	9.94	9.51

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [h] Money payments only; tips not included. Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



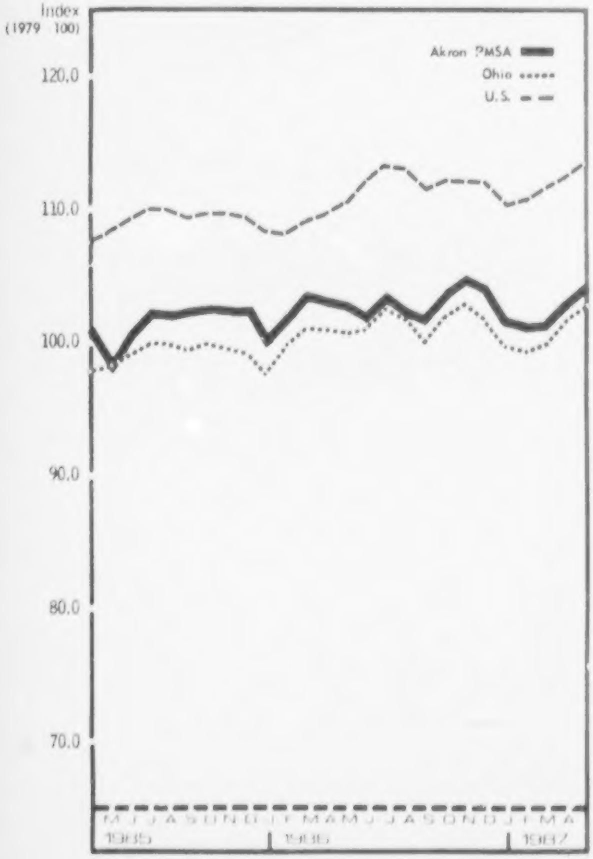
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



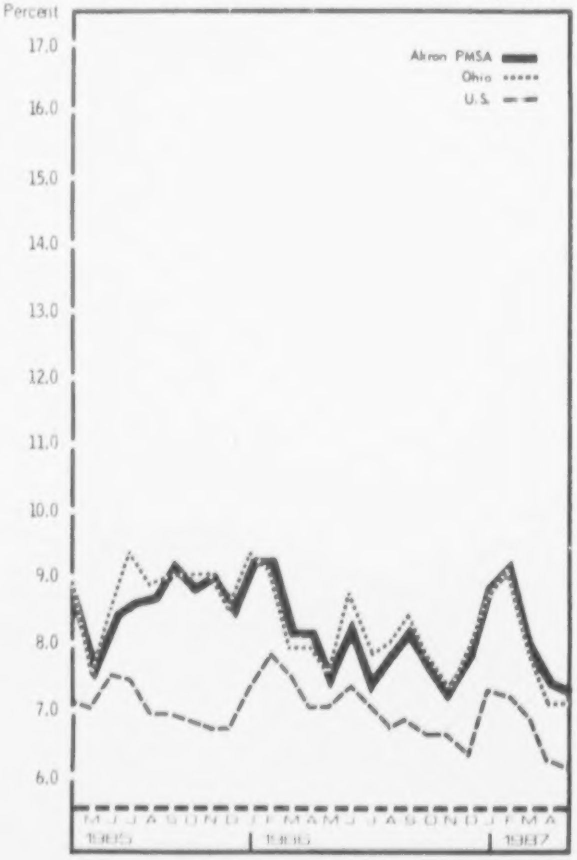
Nonagricultural wage and salary employment in the Akron metropolitan area totaled 263,000 in June, down 3,800 from May. Despite seasonal gains in services and construction, nonmanufacturing employment declined due to decreases in state and local education, as nonteaching personnel were released for the summer. Employment in manufacturing held constant at 64,600. Production workers averaged a 42.6 hour workweek at an average hourly rate of $11.27, falling .4 hours and $.06, respectively, from last month.

Nonfarm wage and salary employment for the Akron area advanced 3,300 from June 1986 to June 1987. Nonmanufacturing employment recorded a growth of 6,100 jobs. Major expansion in services, retail trade, and construction contributed most to the improvement. Manufacturing employment dropped 2,900 over the year due primarily to reductions in tires and inner tubes and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



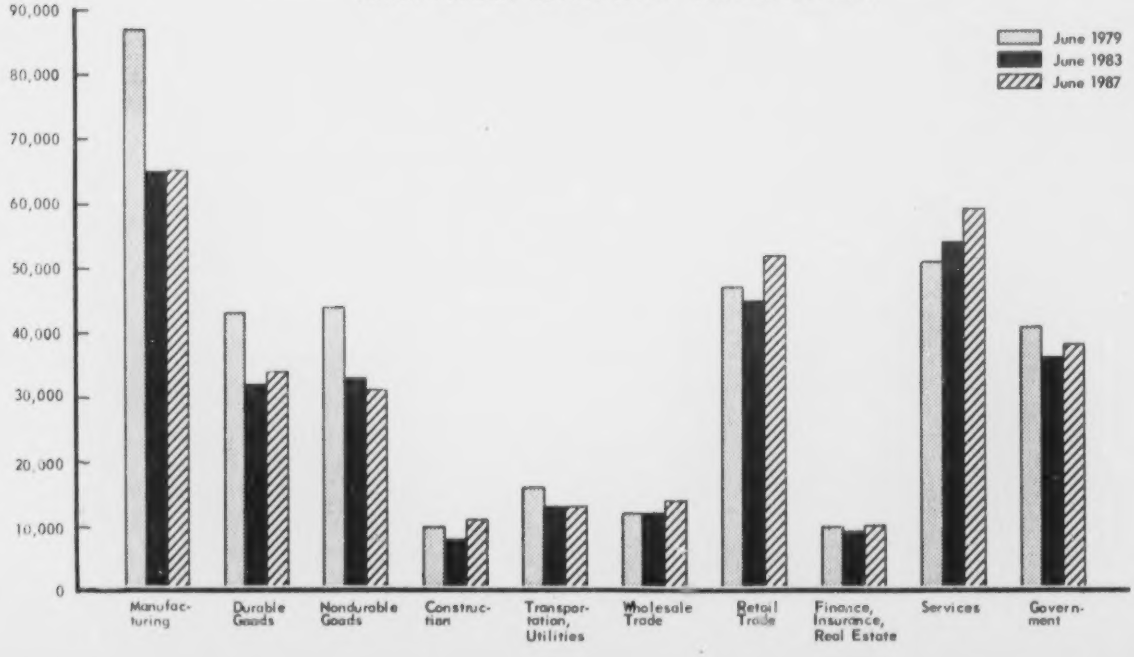
Akron PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
317.3	293.7	23.6	7.4	May	262.0	67.2	36.5	475.58	43.0	11.06
318.0	291.7	26.3	8.3	June	259.8	67.5	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.4	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
INA	INA	INA	INA	June	263.0	64.6	35.0	480.10	42.6	11.27

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	263.0	266.8	259.8	-3.8	3.3
MANUFACTURING	64.6	64.5	67.5	.0	-2.9
Durable Goods[e]	33.8	34.0	35.2	- .2	-1.4
Fabricated metal products	12.2	12.2	13.1	.0	- .8
Machinery, except electrical	9.1	9.1	9.5	.0	- .4
Metalworking machinery	3.0	3.0	3.1	.0	- .1
Nondurable Goods[f]	30.8	30.6	32.2	.2	-1.5
Food and kindred products	2.8	2.7	2.8	.1	.0
Chemicals and allied products	2.9	2.9	2.9	.0	.1
Rubber and misc. plastics products	19.3	19.3	21.1	.1	-1.8
Tires and inner tubes	12.1	12.1	14.0	.0	-2.0
NONMANUFACTURING[g]	198.4	202.3	192.3	-3.8	6.1
CONSTRUCTION	10.7	10.0	9.1	.6	1.5
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.3	13.0	.1	.4
Communication, electric, gas services	5.4	5.4	5.3	.0	.1
WHOLESALE TRADE	13.8	13.8	13.4	.1	.4
RETAIL TRADE	52.1	51.8	50.1	.3	2.0
General merchandise stores	6.4	6.4	6.2	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	10.4	10.5	10.1	.0	.4
Banking	3.2	3.1	3.2	.0	.0
SERVICES	59.1	57.9	56.8	1.2	2.3
Business services	11.0	10.9	10.1	.1	.9
Amusement and recreation services	4.3	3.7	4.2	.6	.1
Health services	17.9	17.8	17.6	.1	.3
GOVERNMENT	38.3	44.4	39.1	-6.1	- .8
State government	11.1	15.9	10.9	-4.8	.1
State government education[i]	8.0	12.9	7.9	-4.9	.1
State government, except education	3.1	3.0	3.1	.1	.0
Local government	24.7	26.1	25.7	-1.4	- .9
Local government education	12.8	14.5	13.6	-1.7	- .8
Local government, except education	11.9	11.6	12.1	.4	- .2

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

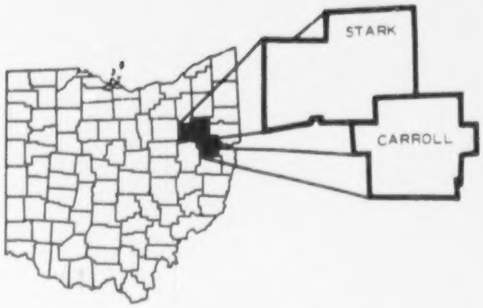
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$480.10	$487.19	$492.12	42.6	43.0	43.9	$11.27	$11.33	$11.21
Durable Goods[e]	514.65	518.76	509.53	43.8	44.0	44.5	11.75	11.79	11.45
Fabricated metal products	633.02	634.37	655.14	44.8	44.8	47.2	14.13	14.16	13.88
Machinery, except electrical	471.84	481.84	449.29	45.5	46.6	45.2	10.37	10.34	9.94
Metalworking machinery	467.45	479.87	472.26	46.1	47.0	47.8	10.14	10.21	9.88
Nondurable Goods[f]	429.86	441.38	464.18	40.9	41.6	42.9	10.51	10.61	10.82
Food and kindred products	461.25	452.45	451.14	42.2	41.7	41.2	10.93	10.85	10.95
Chemicals and allied products	454.80	461.04	441.57	40.0	40.8	40.4	11.37	11.30	10.93
Rubber and misc. plastics products	441.41	445.84	509.40	41.8	42.1	45.2	10.56	10.59	11.27
Tires and inner tubes	641.89	641.89	738.02	43.4	43.4	49.9	14.79	14.79	14.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	573.61	549.40	546.72	41.9	41.0	41.2	13.69	13.40	13.27
WHOLESALE TRADE	333.77	324.75	326.87	37.8	37.5	38.5	8.83	8.66	8.49
RETAIL TRADE[h]	195.25	195.60	191.54	31.8	31.6	31.4	6.14	6.19	6.10

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. [j] Excludes the agricultural extension service and the Ohio Department of Education. [k] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	3,773	2,513	3,106
Active File of Job Seekers	19,353	15,027	23,247
Referrals to Jobs	1,793	1,491	2,068
Placements	336	504	281
Job Openings Received	1,129	835	505
Job Openings Unfilled	2,473	2,010	1,782
Unemployment Insurance Program			
Initial Claims	2,871	2,656	2,932
Continued Claims	27,290	28,180	27,950
First Payments	1,192	1,203	1,094
Last Payments	454	524	530
Weeks Compensated	20,147	23,520	19,107
Benefits Paid	$2,992,957	$3,531,985	$2,708,635
Average Weekly Payment	$152.55	$153.37	$145.68

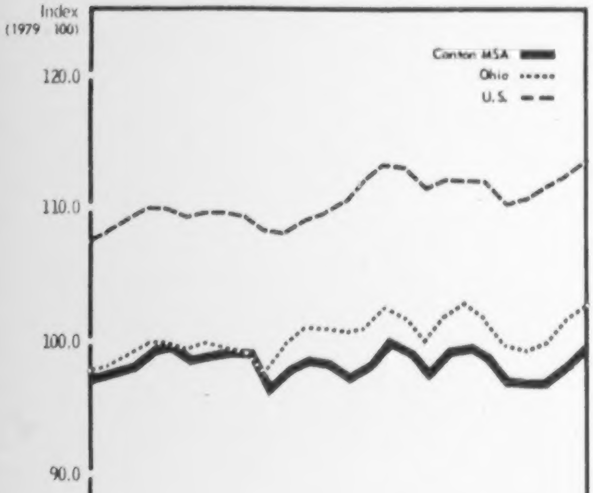
CANTON
METROPOLITAN STATISTICAL AREA



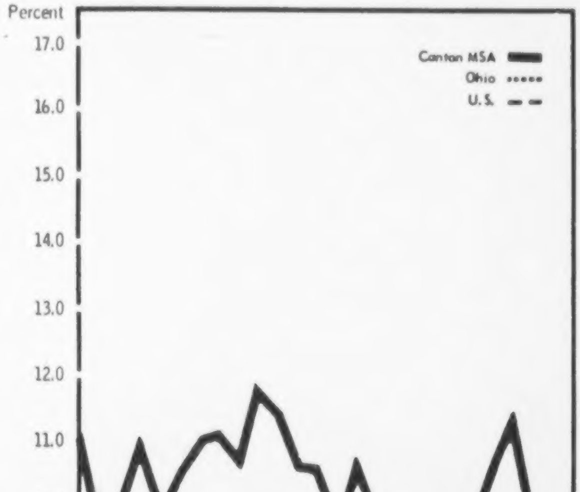
Nonagricultural wage and salary employment in the Canton area totaled 156,500 in June, an increase of 900 from May. Expanding employment in the nonmanufacturing sector was responsible for the gain. Seasonal increases in services, retail trade, and construction offset losses in local government education. Manufacturing employment remained unchanged at 42,600. Factory workers put in a 42.0 hour workweek at an average hourly rate of $11.33, declining .7 hours and $.06, respectively, from May.

From June 1986 to June 1987, nonfarm wage and salary employment rose 3,100 in the Canton metropolitan area. Nonmanufacturing employment advanced 5,100 over the year. Substantial increases in retail trade, services, and construction provided the major portion of the growth. Manufacturing employment decreased 2,000 during the period, with much of the loss concentrated in fabricated metal products and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



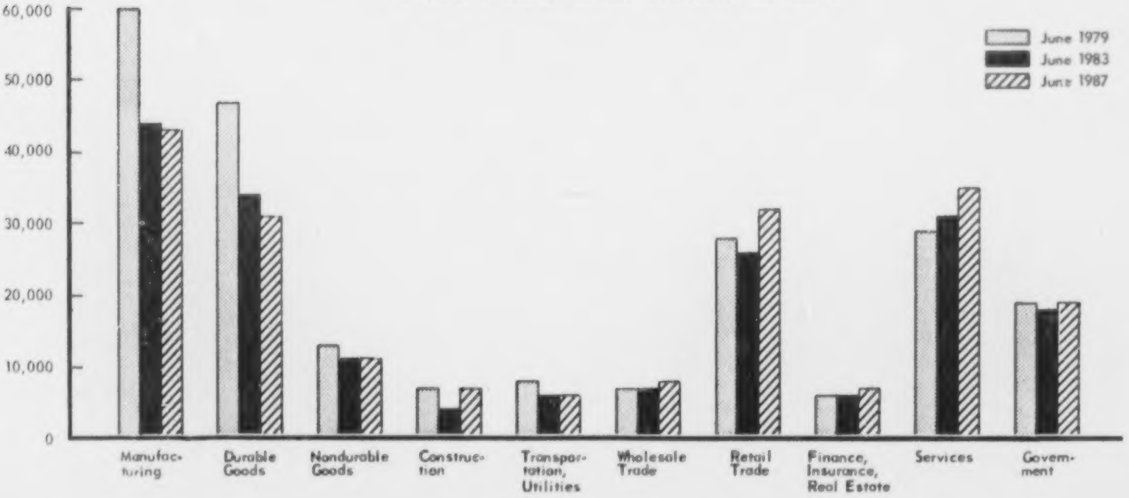
Canton MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
188.2	170.1	18.0	9.6	May	152.6	44.2	31.6	444.09	39.9	11.13
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.3	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
INA	INA	INA	INA	June	156.5	42.6	30.1	475.86	42.0	11.33

INA-Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	156.5	155.6	153.3	.9	3.1
MANUFACTURING	42.6	42.5	44.6	.0	-2.0
Durable Goods[e]	31.4	31.3	33.0	.1	-1.6
Primary metal industries	10.3	10.1	10.1	.2	.1
Fabricated metal products	6.1	6.2	7.2	-.1	-1.1
Metal forgings and stampings	2.0	2.1	2.7	-.1	- .7
Nondurable Goods[f]	11.1	11.2	11.5	-.1	- .4
Food and kindred products	3.7	3.8	3.8	-.1	- .1
Rubber and misc. plastics products	2.6	2.6	2.9	.0	- .3
NONMANUFACTURING[g]	113.9	113.0	108.8	.9	5.1
CONSTRUCTION	6.7	6.3	5.7	.4	1.0
TRANSPORTATION AND PUBLIC UTILITIES	6.0	6.0	5.8	.0	.2
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.0	8.0	8.0	.0	.0
Wholesale trade-durable goods	4.5	4.5	4.5	.0	.0
RETAIL TRADE	31.9	31.5	30.3	.4	1.6
General merchandise stores	3.8	3.8	3.6	.0	.2
Food stores	5.2	5.1	5.0	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.5	6.5	.1	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	35.2	34.7	33.7	.5	1.5
Health services	14.9	14.8	14.3	.1	.6
GOVERNMENT	18.6	19.0	17.8	-.5	.7
State government (includes education)	1.7	1.8	1.7	-.1	.1
Local government	15.4	15.8	14.7	-.4	.7
Local government education	9.0	9.5	8.6	-.5	.4
Local government, except education	6.4	6.3	6.1	.1	.3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

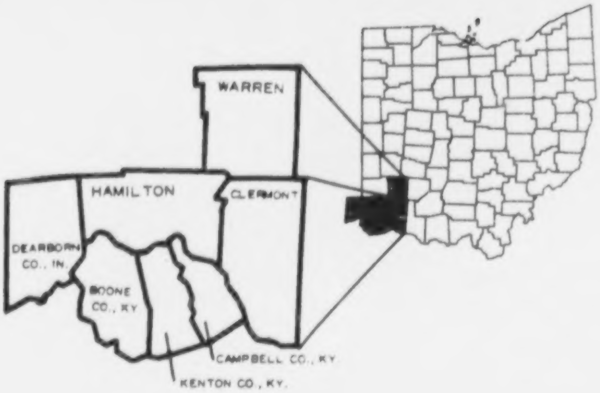
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$475.86	$486.35	$446.88	42.0	42.7	39.9	$11.33	$11.39	$11.20
Durable Goods[e]	502.58	511.92	466.76	42.7	43.2	40.1	11.77	11.85	11.64
Primary metal industries	586.02	618.45	480.44	44.7	46.5	38.1	13.11	13.30	12.61
Fabricated metal products	478.70	475.45	530.13	42.4	42.3	43.1	11.29	11.24	12.30
Metal forgings and stampings	629.42	613.60	682.25	43.2	42.7	43.4	14.57	14.37	15.72
Nondurable Goods[f]	391.64	407.36	382.59	39.6	40.9	39.0	9.89	9.96	9.81
Food and kindred products	415.72	446.95	414.74	40.4	43.1	39.2	10.29	10.37	10.58
Rubber and misc. plastics products	416.90	417.73	427.61	41.4	41.4	41.8	10.07	10.09	10.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	542.02	548.63	514.70	41.0	41.5	40.4	13.22	13.22	12.74
WHOLESALE TRADE	363.82	366.92	340.29	37.2	37.1	35.3	9.78	9.89	9.64
RETAIL TRADE[h]	155.48	155.69	157.88	28.9	29.1	29.4	5.38	5.35	5.37

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	1,198	1,104	2,115
Active File of Job Seekers	12,783	13,112	19,995
Referrals to Jobs	831	1,198	1,687
Placements	282	185	449
Job Openings Received	517	1,234	740
Job Openings Unfilled	1,285	1,304	472
Unemployment Insurance Program			
Initial Claims	2,211	1,990	2,292
Continued Claims	18,505	18,630	20,407
First Payments	713	855	895
Last Payments	337	330	496
Weeks Compensated	13,015	15,335	17,593
Benefits Paid	$1,824,886	$2,222,479	$2,466,017
Average Weekly Payment	$144.99	$149.72	$142.77

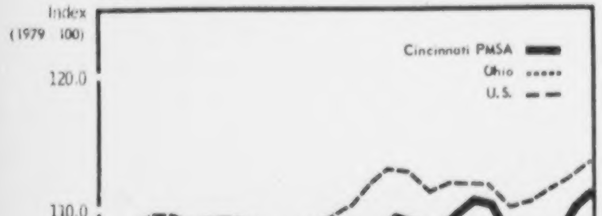
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



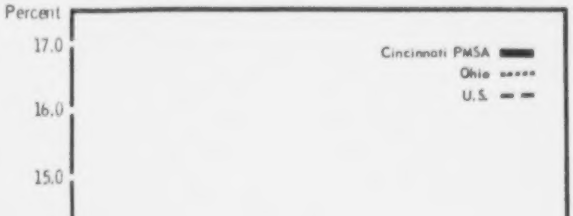
Nonfarm wage and salary employment in the Cincinnati metropolitan area was 678,300 in June, down 400 from May. Nonmanufacturing employment increased 2,600, to 533,200. Seasonal growth in amusement and recreation services, construction, and retail trade was partially offset by layoffs of nonteaching personnel in state and local schools and colleges. Manufacturing employment, at 145,100, was 3,000 below the May level due to heavy losses in motor vehicles and equipment. Factory production workers earned an average of $10.93 per hour, down $.09 from May. Their average workweek was 43.0 hours, up .7 hours.

Since June 1986, nonfarm employment has risen 23,800. Although all nonmanufacturing industries recorded gains, services, especially business and health services, and retail trade had the most notable growth. Manufacturing employment decreased 2,800, with losses in motor vehicles and equipment and metalworking machinery overshadowing gains in paper and allied products and other nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



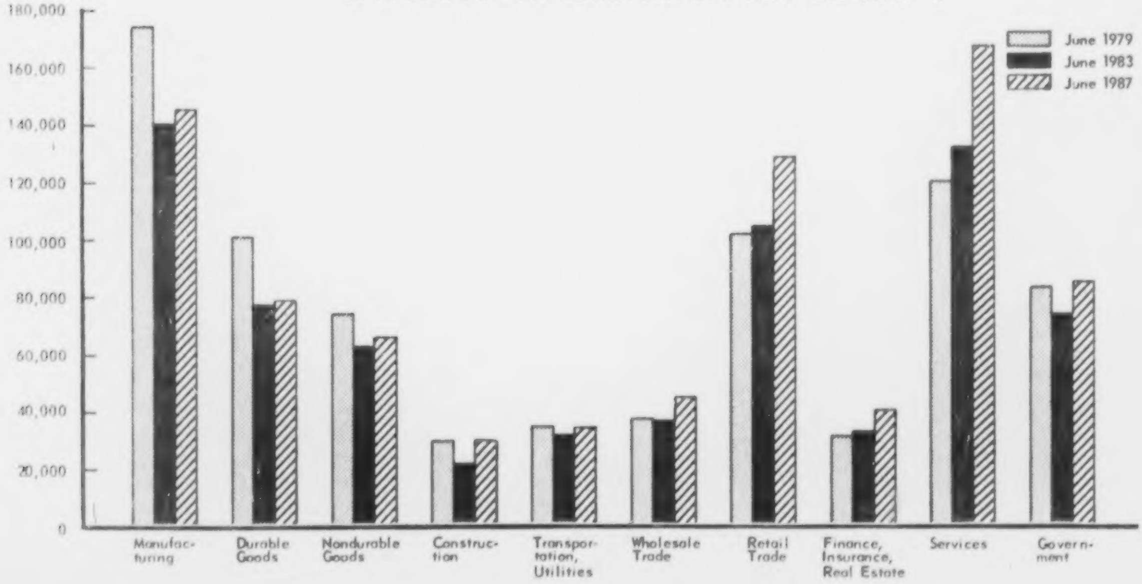
Cincinnati PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
721.6	673.3	48.3	6.7	May	649.0	144.2	91.8	444.56	41.9	10.61
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.5	699.0	41.5	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
INA	INA	INA	INA	June	678.3	145.1	92.5	469.99	43.0	10.93

INA-Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	678.3	678.7	654.5	- .4	23.8
MANUFACTURING	145.1	148.1	147.9	-3.0	- 2.8
Durable Goods[e]	78.7	82.0	82.2	-3.3	- 3.5
Fabricated metal products	11.1	10.8	10.6	.3	.5
Fabricated structural metal products	4.4	4.2	3.9	.2	.5
Machinery, except electrical	19.7	19.7	21.3	- .1	- 1.7
Metalworking machinery	8.1	8.1	9.0	.0	- 1.0
General industrial machinery	2.7	2.7	3.0	.0	- .3
Electric and electronic equipment	7.3	7.3	7.5	.0	- .3
Transportation equipment	25.4	28.8	28.0	-3.4	- 2.6
Motor vehicles and equipment	4.8	8.3	8.6	-3.6	- 3.8
Nondurable Goods[f]	66.4	66.1	65.7	.3	.7
Food and kindred products	13.1	13.1	13.1	- .1	- .1
Beverages	3.9	3.9	4.0	.1	.0
Apparel and other textile products	3.6	3.7	3.3	- .1	.3
Paper and allied products	6.8	6.6	6.0	.2	.8
Printing and publishing	13.3	13.2	13.1	.1	.2
Commercial printing	5.9	5.9	5.5	.0	.3
Chemicals and allied products	22.2	22.1	22.0	.1	.2
Rubber and misc. plastics products	5.5	5.4	5.4	.1	.1
NONMANUFACTURING[g]	533.2	530.6	506.6	2.6	26.6
CONSTRUCTION	29.7	28.7	26.8	1.0	2.9
TRANSPORTATION AND PUBLIC UTILITIES	34.9	34.7	33.6	.3	1.3
Trucking and warehousing	9.5	9.3	9.4	.2	.1
Communication, electric, gas services	15.3	15.3	14.9	.0	.4
WHOLESALE TRADE	44.9	44.6	42.8	.3	2.2
Wholesale trade-durable goods	27.0	26.8	25.6	.2	1.4
RETAIL TRADE	128.8	127.9	122.7	.9	6.1
General merchandise stores	18.9	18.8	18.4	.1	.5
FINANCE, INSURANCE, AND REAL ESTATE	40.5	39.9	38.2	.5	2.3
Banking	8.4	8.3	8.1	.1	.3
Insurance carriers	13.2	13.1	12.4	.1	.8
SERVICES	167.7	165.7	157.9	2.0	9.7
Hotels and other lodging places	6.9	6.8	6.6	.1	.3
Personal services	8.3	8.3	7.8	.0	.5
Business services	38.7	38.2	35.7	.4	3.0
Amusement and recreation services	11.1	9.8	10.5	1.3	.6
Health services	51.8	51.4	48.6	.4	3.2
Hospitals	24.9	24.7	23.3	.2	1.6
GOVERNMENT	86.3	88.7	84.2	-2.4	2.1
Federal government	14.1	14.5	14.0	- .4	.1
State government	19.3	19.7	18.9	- .4	.4
State government education[i]	11.2	11.8	11.0	- .5	.2
State government, except education	8.0	8.0	7.9	.1	.2
Local government	52.9	54.5	51.3	-1.6	1.6
Local government education	30.6	32.5	28.9	-1.9	1.7
Local government, except education	22.3	22.0	22.4	.3	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$469.99	$466.15	$443.69	43.0	42.3	41.7	$10.93	$11.02	$10.64
Durable Goods[e]	463.33	467.42	448.14	43.1	42.3	42.0	10.75	11.05	10.67
Fabricated metal products	424.39	426.17	388.22	44.3	43.8	41.3	9.58	9.73	9.40
Fabricated structural metal products	430.01	457.63	416.09	44.7	45.4	42.2	9.62	10.08	9.86
Machinery, except electrical	418.32	405.15	412.86	42.0	41.3	42.0	9.96	9.81	9.83
Metalworking machinery	461.58	451.98	441.25	42.0	42.4	41.2	10.99	10.66	10.71
General industrial machinery	379.73	409.47	382.72	40.7	43.7	41.6	9.33	9.37	9.20
Electric and electronic equipment	337.26	351.43	364.42	38.9	39.8	41.6	8.67	8.83	8.76
Transportation equipment	688.02	658.01	623.22	46.9	44.4	44.2	14.67	14.82	14.10
Motor vehicles and equipment	840.13	700.57	675.38	51.7	44.2	44.2	16.25	15.85	15.28
Nondurable Goods[f]	475.76	464.88	439.25	42.9	42.3	41.4	11.09	10.99	10.61
Food and kindred products	519.59	493.55	458.11	45.3	43.6	42.3	11.47	11.32	10.83
Beverages	539.18	533.20	506.66	43.1	43.0	41.7	12.51	12.40	12.15
Apparel and other textile products	208.51	217.88	204.01	37.3	38.7	36.3	5.59	5.63	5.62
Paper and allied products	436.75	431.57	396.37	43.2	42.9	40.2	10.11	10.06	9.86
Printing and publishing	459.91	440.27	429.66	40.7	39.7	38.5	11.30	11.09	11.16
Commercial printing	501.99	469.96	463.70	43.5	41.7	39.7	11.54	11.27	11.68
Chemicals and allied products	546.99	547.84	520.57	42.7	42.7	42.6	12.81	12.83	12.22
Rubber and misc. plastics products	459.73	439.18	420.80	47.2	45.7	46.6	9.74	9.61	9.03
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	528.54	525.49	515.20	39.8	39.6	39.6	13.28	13.27	13.01
WHOLESALE TRADE	389.64	388.24	385.70	40.8	40.4	40.6	9.55	9.61	9.50
RETAIL TRADE[h]	168.42	159.57	164.50	29.6	28.7	29.8	5.69	5.56	5.52
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.64	258.32	222.48	....	....	....	.....	.....	.....

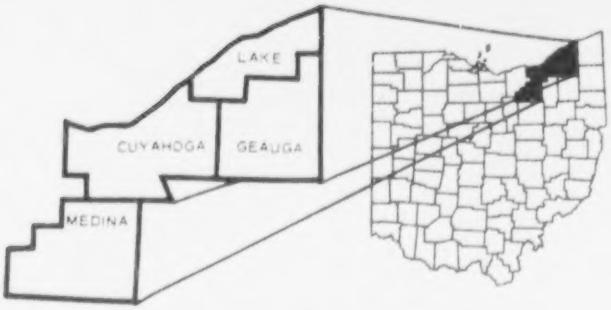
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	2,853	2,464	3,876
Active File of Job Seekers	18,603	15,202	28,777
Referrals to Jobs	2,910	2,015	2,133
Placements	723	441	579
Job Openings Received	1,313	1,353	1,160
Job Openings Unfilled	3,011	3,258	1,844
Unemployment Insurance Program			
Initial Claims	7,061	3,120	4,540
Continued Claims	38,338	36,331	39,397
First Payments	1,438	1,432	1,726
Last Payments	756	663	853
Weeks Compensated	29,405	32,116	31,863
Benefits Paid	$4,306,483	$4,600,603	$4,629,559
Average Weekly Payment	$149.23	$146.16	$148.03

[a]Ohio data only

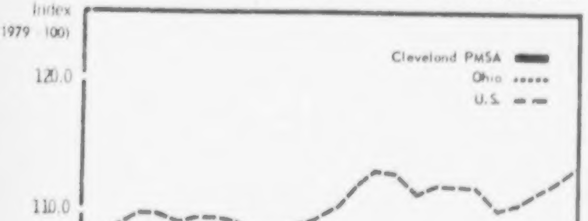
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



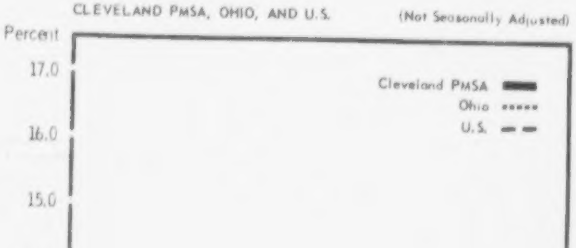
Total nonfarm employment in the Cleveland area advanced 6,000 from May, to 906,700 in June 1987. Manufacturing employment rose 300, as moderate growth in fabricated metal products, nonelectrical machinery, and transportation equipment overshadowed losses in electric and electronic equipment. Nonmanufacturing employment increased 5,600, to 702,500. Expansion in services, retail trade, and construction more than offset seasonal reductions in local government education. Factory production workers earned an average of $11.57 per hour, little changed from May. Their average workweek was slightly longer, at 42.9 hours.

Since June 1986, nonagricultural wage and salary employment gained 16,000 jobs. Nonmanufacturing employment increased 19,100 with significant growth registered in services (business services +4,000; health services +3,300), retail trade, and finance, insurance, and real estate. Manufacturing employment declined 3,100 over the period. Scattered growth in nondurable-goods industries was unable to compensate for marked losses in instruments and related products, electric and electronic equipment, and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
919.8	857.4	62.4	6.8	May	880.6	206.1	133.2	472.69	41.5	11.39
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
931.2	873.2	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
INA	INA	INA	INA	June	906.7	204.2	130.5	496.35	42.9	11.57

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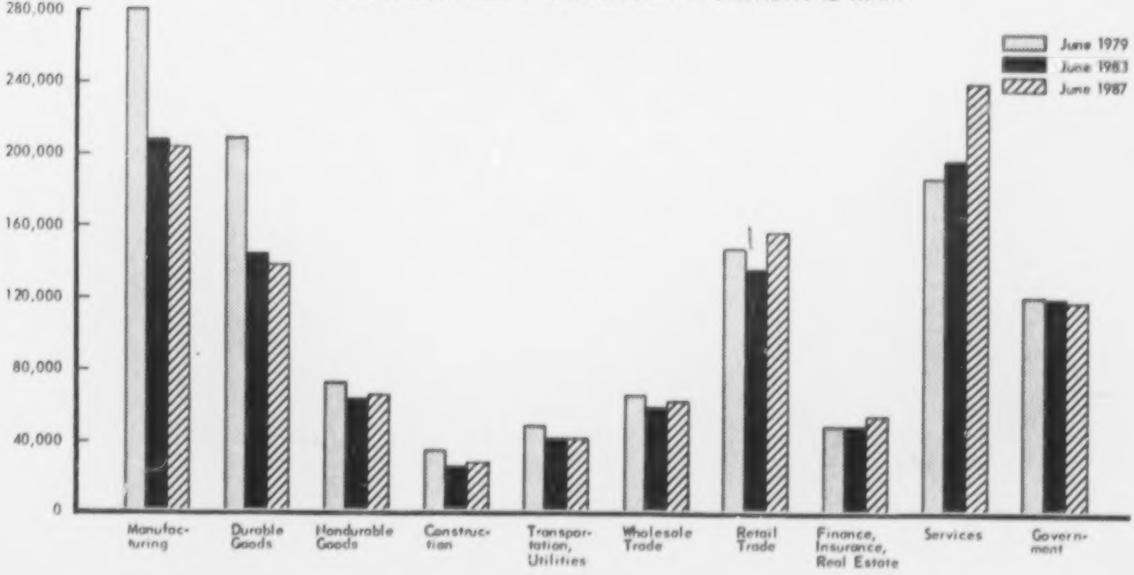
EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	906.7	900.8	890.8	5.9	16.0
MANUFACTURING	204.2	203.9	207.4	.3	- 3.1
Durable Goods[e]	138.4	138.3	142.4	.2	- 4.0
Primary metal industries	21.0	21.0	21.4	- .1	- .4
Iron and steel foundries	5.3	5.3	5.4	.0	- .2
Fabricated metal products	32.9	32.5	32.7	.4	.2
Fabricated structural metal products	3.8	3.7	3.9	.1	- .2
Screw machine products, bolts, etc	4.9	4.8	4.6	.1	.2
Metal forgings and stampings	11.5	11.4	11.0	.1	.5
Machinery, except electrical	30.0	29.8	30.9	.2	- .8
Construction and related machinery	2.5	2.5	2.5	.0	.0
Metalworking machinery	9.8	9.8	10.2	.0	- .4
Special industry machinery	3.3	3.3	3.2	.0	.1
General industrial machinery	2.7	2.7	3.0	.0	- .2
Electric and electronic equipment	18.4	19.0	19.4	- .6	- 1.1
Electrical industrial apparatus	6.4	6.5	6.9	- .1	- .4
Transportation equipment	19.2	19.0	19.9	.2	- .7
Motor vehicles and equipment	12.0	11.9	12.6	.1	- .7
Instruments and related products	6.2	6.3	7.8	- .1	- 1.6
Measuring and controlling devices	4.1	4.1	4.3	.0	- .2
Nondurable Goods[f]	65.8	65.6	64.9	.2	.9
Food and kindred products	6.9	6.8	6.7	.1	.2
Apparel and other textile products	4.2	4.2	4.4	.0	- .1
Paper and allied products	5.6	5.6	5.3	.0	.3
Printing and publishing	16.9	16.9	16.6	.0	.2
Chemicals and allied products	15.0	14.9	14.7	.0	.3
Rubber and misc. plastics products	12.0	12.0	11.9	- .1	.0
NONMANUFACTURING[g]	702.5	696.9	683.4	5.6	19.1
CONSTRUCTION	28.0	26.9	27.3	1.1	.7
TRANSPORTATION AND PUBLIC UTILITIES	41.7	41.6	41.4	.2	.4
Trucking and warehousing	12.1	12.0	11.3	.1	.8
Communication, electric, gas services	18.3	18.4	18.6	- .1	- .3
WHOLESALE TRADE	62.7	62.4	62.7	.3	.0
Wholesale trade-durable goods	43.3	43.2	43.5	.1	- .2
RETAIL TRADE	156.8	155.1	152.9	1.7	3.9
General merchandise stores	20.1	20.0	19.9	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	55.0	54.3	52.3	.7	2.7
Banking	13.4	13.3	13.0	.1	.4
Credit agencies other than banks	9.2	9.1	8.5	.1	.7
Insurance carriers	13.2	13.1	12.6	.1	.6
SERVICES	239.5	237.8	227.5	1.8	12.0
Business services	54.3	53.5	50.3	.9	4.0
Amusement and recreation services	9.7	9.1	9.8	.6	.0
Health services	75.1	74.6	71.8	.5	3.3
Hospitals	43.4	43.2	40.7	.2	2.7
GOVERNMENT	117.9	117.9	118.2	.0	- .3
Federal government	20.4	20.4	20.1	.0	.3
State government	8.5	8.2	8.3	.4	.2
State government education[i]	3.2	3.0	3.0	.2	.1
State government, except education	5.4	5.2	5.3	.2	.1
Local government	88.9	89.3	89.8	- .4	- .9
Local government education	41.9	43.2	42.6	- 1.3	- .7
Local government, except education	47.0	46.1	47.2	.9	- .2

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

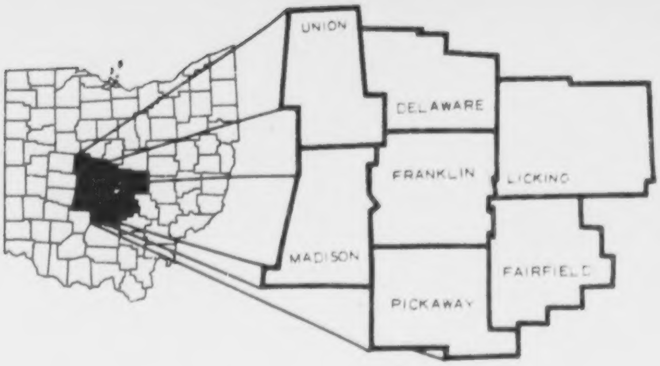
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$496.35	$493.19	$480.36	42.9	42.7	42.1	$11.57	$11.55	$11.41
Durable Goods[e]	531.05	522.45	510.07	43.6	43.0	42.4	12.18	12.15	12.03
Primary metal industries	616.51	611.10	569.14	45.6	45.3	42.6	13.52	13.49	13.36
Iron and steel foundries	858.11	843.68	747.12	51.2	50.1	46.9	16.76	16.84	15.93
Fabricated metal products	534.05	529.54	498.10	44.1	43.8	42.5	12.11	12.09	11.72
Fabricated structural metal products	427.12	397.63	376.69	43.1	41.9	40.9	9.91	9.49	9.21
Screw machine products, bolts, etc	472.06	475.40	431.28	44.2	44.1	42.2	10.68	10.78	10.22
Metal forgings and stampings	685.21	674.36	669.31	46.9	46.0	45.5	14.61	14.66	14.71
Machinery, except electrical	484.79	464.80	467.15	42.6	41.5	42.2	11.38	11.20	11.07
Construction and related machinery	421.82	416.30	449.74	46.1	46.0	45.2	9.15	9.05	9.95
Metalworking machinery	425.80	414.46	405.21	41.1	40.2	40.4	10.36	10.31	10.03
Special industry machinery	457.30	458.02	453.56	38.3	38.2	38.7	11.94	11.99	11.72
General industrial machinery	487.99	490.25	473.68	43.3	43.5	43.9	11.27	11.27	10.79
Electric and electronic equipment	430.20	436.30	411.29	40.7	40.7	39.7	10.57	10.72	10.36
Electrical industrial apparatus	479.03	480.48	431.51	41.8	42.0	40.3	11.46	11.44	10.71
Transportation equipment	676.13	669.91	702.56	45.5	44.9	46.9	14.86	14.92	14.98
Motor vehicles and equipment	704.70	709.64	739.00	45.0	45.2	47.1	15.66	15.70	15.69
Instruments and related products	388.69	386.22	384.07	40.7	40.4	39.8	9.55	9.56	9.65
Measuring and controlling devices	395.81	392.24	377.78	39.9	39.7	39.6	9.92	9.88	9.54
Nondurable Goods[f]	414.65	424.37	405.00	41.3	42.1	41.2	10.04	10.08	9.83
Food and kindred products	370.97	386.61	384.79	42.3	43.1	42.1	8.77	8.97	9.14
Apparel and other textile products	308.83	313.22	293.38	38.7	39.3	38.2	7.98	7.97	7.68
Paper and allied products	509.84	505.96	456.03	45.4	45.5	42.9	11.23	11.12	10.63
Printing and publishing	408.56	411.57	408.43	38.3	38.5	38.1	10.67	10.69	10.72
Chemicals and allied products	498.07	511.73	480.36	42.9	43.7	42.1	11.61	11.71	11.41
Rubber and misc. plastics products	379.85	407.70	375.41	42.3	45.0	43.3	8.98	9.06	8.67
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	585.90	568.70	570.68	42.0	41.3	41.9	13.95	13.77	13.62
WHOLESALE TRADE	405.78	398.16	384.15	39.9	39.5	39.4	10.17	10.08	9.75
RETAIL TRADE[h]	185.04	180.48	180.34	28.6	28.2	28.9	6.47	6.40	6.24
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	302.15	297.66	290.77	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	342.23	340.93	330.65	32.5	32.5	32.9	10.53	10.49	10.05

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, stone, clay and glass products, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	6,529	6,124	9,160
Active File of Job Seekers	64,129	40,415	112,814
Referrals to Jobs	2,605	2,541	3,607
Placements	718	872	1,082
Job Openings Received	1,379	1,231	2,186
Job Openings Unfilled	2,069	2,341	3,253
Unemployment Insurance Program			
Initial Claims	6,695	5,670	8,959
Continued Claims	58,939	60,394	69,737
First Payments	2,521	2,757	3,470
Last Payments	1,056	1,235	1,358
Weeks Compensated	45,455	53,515	54,707
Benefits Paid	$6,581,097	$7,871,485	$8,107,849
Average Weekly Payment	$147.56	$148.70	$151.07

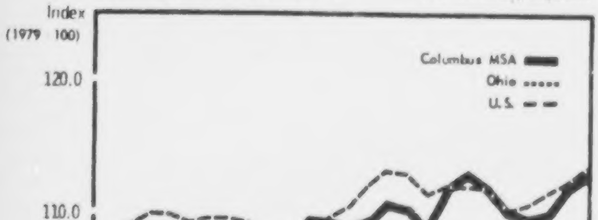
COLUMBUS
METROPOLITAN STATISTICAL AREA



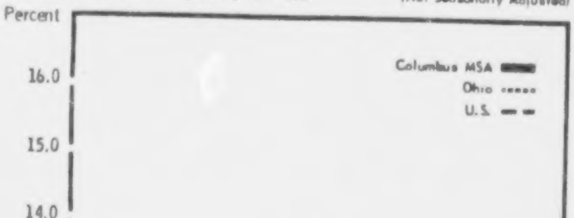
Nonagricultural wage and salary employment in the Columbus area was 660,700 in June, up 4,000 from May. Nonmanufacturing employment rose 3,700, to 557,700. Growth in construction, state government, services, and finance, insurance, and real estate accounted for most of the change, although nearly all nonmanufacturing industries recorded increases. Manufacturing employment was up slightly at 103,000, with gains in electric and electronic equipment offset by losses in fabricated metal products. Factory production workers earned an average of $11.41 per hour for an average workweek of 41.5 hours, both little changed from May.

Since June 1986, nonfarm employment increased 26,600. Although most nonmanufacturing industries showed gains, significant growth was noted in services, retail trade, and construction. Manufacturing lost 3,300 workers over the year, with notable declines in transportation equipment, stone, clay, and glass products, and fabricated metal products. Modest gains were noted in food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



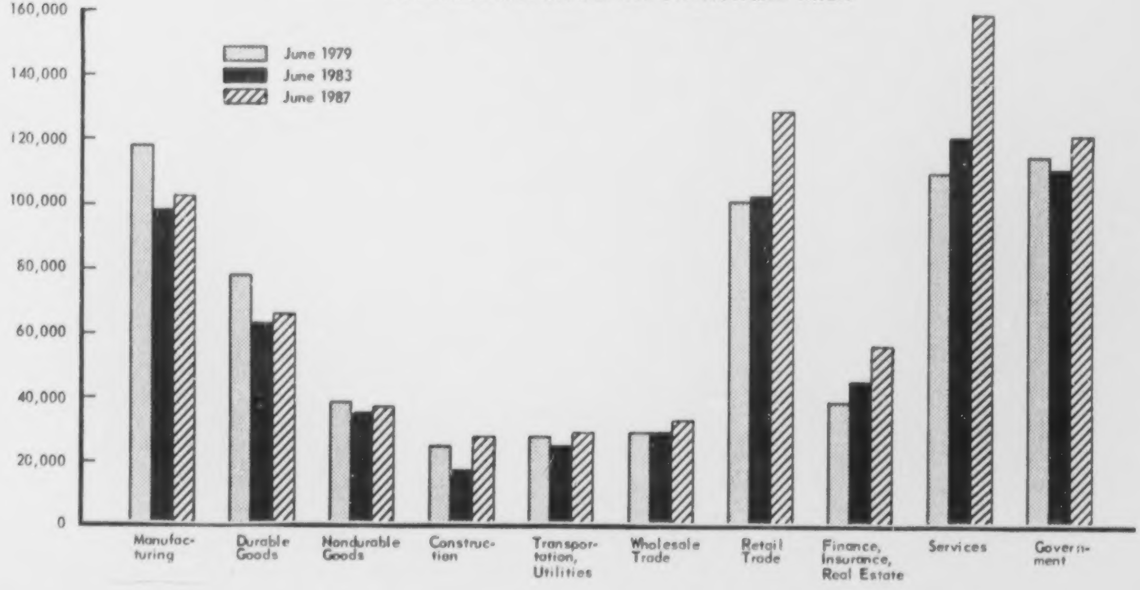
Columbus MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment –	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
667.4	629.7	37.7	5.6	May	630.2	106.3	70.9	461.44	41.2	11.20
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.5	652.5	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
INA	INA	INA	INA	June	660.7	103.0	68.1	473.52	41.5	11.41

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	660.7	656.6	634.1	4.0	26.6
MANUFACTURING	103.0	102.6	106.2	.3	- 3.3
Durable Goods[e]	65.8	65.4	69.9	.4	- 4.1
Stone, clay, and glass products	10.5	10.5	11.9	.1	- 1.3
Glass and glassware, pressed or blown	4.5	4.4	4.6	.1	- .1
Fabricated metal products	8.9	9.0	9.8	- .2	- 1.0
Fabricated structural metal products	2.8	2.7	3.0	.0	- .3
Machinery, except electrical	9.5	9.5	9.5	.0	.0
Electric and electronic equipment	10.8	10.6	11.4	.3	- .5
Transportation equipment	14.5	14.5	16.0	.0	- 1.5
Instruments and related products	4.2	4.0	4.1	.1	.1
Nondurable Goods[f]	37.2	37.2	36.4	.0	.8
Food and kindred products	10.4	10.4	10.0	.0	.5
Printing and publishing	9.7	9.8	9.6	- .1	.1
Chemicals and allied products	7.1	7.1	7.0	.0	.1
Rubber and misc. plastics products	5.5	5.5	5.4	.0	.1
NONMANUFACTURING[g]	557.7	554.0	527.9	3.7	29.8
CONSTRUCTION	28.3	27.2	24.7	1.1	3.6
TRANSPORTATION AND PUBLIC UTILITIES	28.9	28.7	26.6	.3	2.3
Trucking and warehousing	11.5	11.4	10.6	.1	.9
Communication, electric, gas services	12.3	12.3	11.6[j]	.1	.7
WHOLESALE TRADE	32.8	32.7	32.2	.1	.7
Wholesale trade-durable goods	21.4	21.4	21.0	.1	.4
RETAIL TRADE	129.0	120.7	123.6	.3	5.4
General merchandise stores	17.2	17.2	16.9	- .1	.3
FINANCE, INSURANCE, AND REAL ESTATE	56.4	55.9	53.9	.5	2.4
Banking	11.8	11.7	11.2	.1	.6
Insurance carriers	21.4	21.3	21.0	.0	.4
SERVICES	159.0	158.5	146.3	.5	12.7
Business services	36.4	36.1	32.4	.3	4.0
Health services	40.2	39.9	38.2	.3	2.0
Hospitals	17.3	17.3	16.6	.0	.8
GOVERNMENT	122.3	121.4	119.7	.9	2.6
Federal government	15.4	15.4	15.7	.0	- .3
State government	54.7	54.0	53.0	.7	1.7
State government education[i]	23.9	23.6	23.0	.4	.9
State government, except education	30.8	30.5	29.9	.3	.9
Local government	52.3	52.0	51.1	.2	1.2
Local government education	31.0	31.4	29.8	- .4	1.2
Local government, except education	21.2	20.6	21.3	.6	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

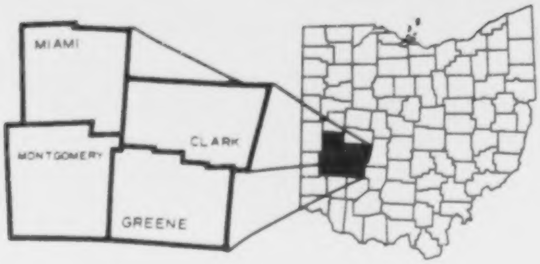
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$473.52	$474.24	$460.43	41.5	41.6	41.0	$11.41	$11.40	$11.23
Durable Goods[e]	484.22	485.39	476.68	41.6	41.7	41.2	11.64	11.64	11.57
Stone, clay and glass products	488.04	483.72	480.80	42.0	41.7	39.9	11.62	11.60	12.05
Glass and glassware, pressed or blown	409.73	398.11	447.58	38.4	37.7	39.4	10.67	10.56	11.36
Fabricated metal products	494.51	499.39	486.02	40.5	40.8	40.3	12.21	12.24	12.06
Fabricated structural metal products	446.22	464.52	417.38	40.9	42.0	40.8	10.91	11.06	10.23
Machinery, except electrical	464.95	455.38	420.15	42.5	42.4	39.9	10.94	10.74	10.53
Electric and electronic equipment	459.27	474.66	448.44	40.5	41.6	40.4	11.34	11.41	11.10
Transportation equipment	569.32	569.32	567.24	43.0	43.0	44.7	13.24	13.24	12.69
Instruments and related products	431.57	435.08	415.23	41.9	42.2	41.9	10.30	10.31	9.91
Nondurable Goods[f]	449.90	453.60	425.08	41.2	41.5	40.6	10.92	10.93	10.47
Food and kindred products	467.42	466.52	422.42	43.2	42.8	41.7	10.82	10.90	10.13
Printing and publishing	509.83	505.58	498.80	38.8	38.7	39.4	13.14	13.09	12.66
Chemicals and allied products	506.73	529.54	491.25	39.9	41.5	40.7	12.70	12.76	12.07
Rubber and misc. plastics products	344.45	352.24	329.26	41.5	42.8	40.8	8.30	8.23	8.07
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.01	551.89	559.01	41.4	40.7	41.5	13.72	13.56	3. 7
WHOLESALE TRADE	344.66	342.52	325.66	38.0	38.1	38.0	9.07	8.99	8.57
RETAIL TRADE[h]	176.61	174.27	169.07	29.0	28.9	28.9	6.09	6.03	5.85
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	258.75	269.91	243.25	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	323.90	324.87	326.37	33.6	33.7	34.5	9.64	9.64	9.45

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products, furniture and fixtures, primary metal industries, miscellaneous manufacturing. [f] Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
EMPLOYMENT SERVICE PROGRAM			
New Applicants	5,023	4,389	4,702
Active File of Job Seekers	33,450	28,568	41,610
Referrals to Jobs	2,408	2,417	2,593
Placements	1,080	731	618
Job Openings Received	1,945	2,092	1,511
Job Openings Unfilled	4,497	5,552	5,633
Unemployment Insurance Program			
Initial Claims	4,726	4,096	4,543
Continued Claims	38,317	36,663	36,331
First Payments	1,710	1,910	1,696
Last Payments	673	907	722
Weeks Compensated	29,385	33,651	29,645
Benefits Paid	$4,460,797	$5,139,393	$4,269,369
Average Weekly Payment	$155.20	$155.81	$146.90

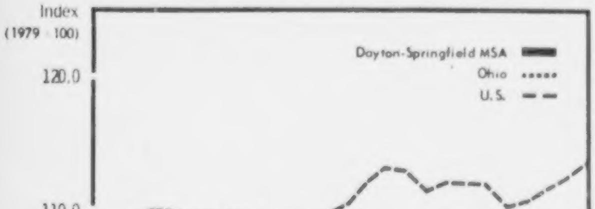
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



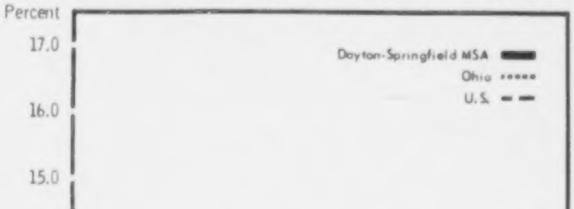
The Dayton-Springfield area nonagricultural wage and salary employment totaled 433,700 in June, down 100 from May. Employment in nonmanufacturing was little changed over the month, at 328,900. Gains in services and construction were more than offset by seasonal declines in local government education. Manufacturing employment, at 104,800, was up slightly due to modest increases in nonelectrical machinery. Average hourly earnings of factory production workers were up $.12, to $11.86 an hour. Their average workweek, at 42.0 hours, was up .6 hours from May.

From June 1986 to June 1987, nonfarm wage and salary employment rose 13,500, due chiefly to increases in nonmanufacturing industries, especially services, construction, and retail trade. The number of manufacturing jobs declined 1,900 over the year. Greatest losses were recorded in nonelectrical machinery and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



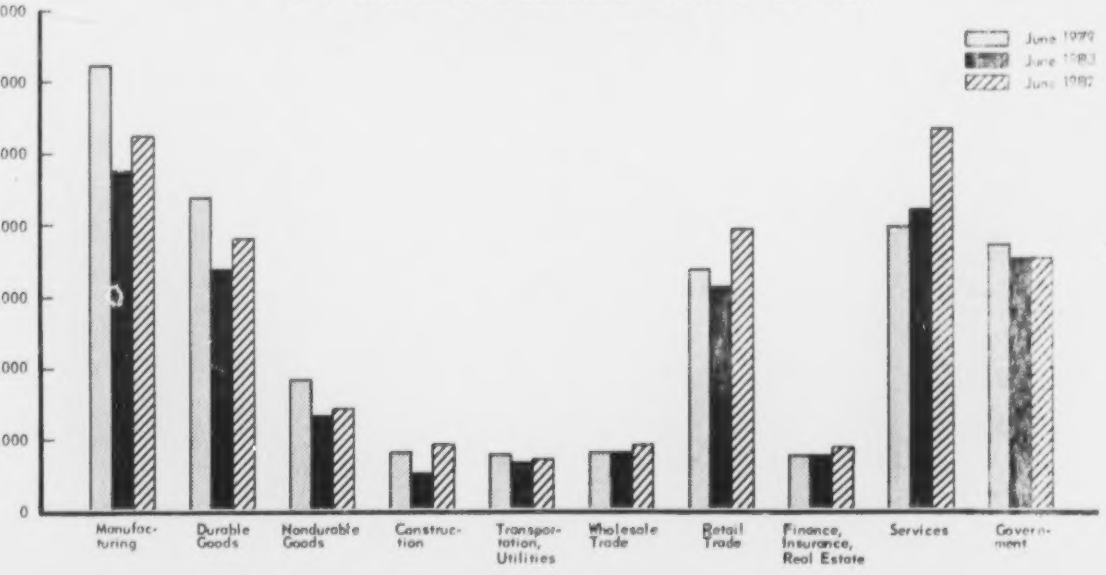
Dayton-Springfield MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$460.93	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	68.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.83	42.8	12.03
				1986						
455.4	428.8	26.6	5.8	May	421.1	106.2	68.5	515.31	42.8	12.04
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	69.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.3	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.1	439.4	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
INA	INA	INA	INA	June	433.7	104.8	67.4	498.12	42.0	11.86

INA-Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	433.7	433.8	420.3	- .1	13.5
MANUFACTURING	104.8	104.7	106.6	.1	- 1.9
Durable Goods[e]	75.7	75.4	77.2	.3	- 1.5
Fabricated metal products	8.2	8.3	8.5	- .1	- .3
Machinery, except electrical	30.6	30.3	32.0	.3	- 1.4
Metalworking machinery	6.5	6.6	7.1	- .1	- .6
General industrial machinery	2.5	2.4	2.6	.1	- .1
Electric and electronic equipment	6.0	6.0	5.7	.0	.3
Electrical industrial apparatus	3.6	3.5	3.4	.0	.2
Transportation equipment	21.3	21.4	21.7	- .1	- .4
Nondurable Goods[f]	29.1	29.3	29.5	- .2	- .4
Food and kindred products	3.0	3.1	2.8	- .1	.2
Paper and allied products	5.9	5.8	5.8	.1	.1
Printing and publishing	8.7	8.7	8.4	.0	.3
Rubber and misc. plastics products	7.7	7.8	8.5	- .1	- .8
NONMANUFACTURING[g]	328.9	329.1	313.6	- .1	15.3
CONSTRUCTION	19.0	17.9	15.5	1.1	3.5
TRANSPORTATION AND PUBLIC UTILITIES	15.1	15.0	14.6	.1	.5
Communication, electric, gas services	5.8	5.8	5.9	.0	- .1
WHOLESALE TRADE	19.1	19.1	19.0	.0	.1
Wholesale trade-durable goods	13.2	13.2	12.9	.0	.3
RETAIL TRADE	79.1	78.6	75.7	.5	3.3
General merchandise stores	11.2	11.2	11.3	.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	18.1	17.9	17.4	.2	.7
Banking	4.4	4.3	4.3	.1	.1
Credit agencies other than banks	4.6	4.6	4.4	.0	.1
Insurance carriers	2.8	2.8	2.9	.0	- .1
SERVICES	106.6	105.2	100.5	1.4	6.1
Business services	26.5	26.0	23.9	.5	2.7
Health services	35.3	35.1	34.4	.2	1.0
Hospitals	18.3	18.2	18.0	.0	.3
Educational services	5.4	5.6	5.8	- .2	- .4
GOVERNMENT	71.4	74.8	70.4	- 3.4	1.1
Federal government	27.9	27.7	28.1	.2	- .2
State government	7.4	7.4	6.9	.1	.5
State government education[i]	4.5	4.5	4.2	.0	.3
State government, except education	2.9	2.8	2.7	.1	.2
Local government	36.2	39.8	35.4	- 3.6	.8
Local government education	21.0	25.0	20.4	- 4.0	.7
Local government, except education	15.1	14.7	15.0	.4	.1

Dayton - Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

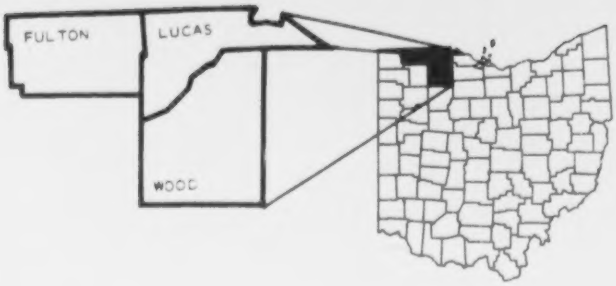
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1936[c]
MANUFACTURING	$498.12	$486.04	$518.06	42.0	41.4	43.1	$11.86	$11.74	$12.02
Durable Goods[e]	506.46	492.66	527.04	42.1	41.4	43.2	12.03	11.90	12.20
Fabricated metal products	385.22	375.47	392.37	41.2	40.2	42.1	9.35	9.34	9.32
Machinery, except electrical	542.30	529.62	551.76	42.6	41.9	44.0	12.73	12.64	12.54
Metalworking machinery	526.91	515.14	534.03	43.8	43.0	45.8	12.03	11.98	11.66
General industrial machinery	475.26	414.61	437.08	44.5	39.6	42.6	10.68	10.47	10.26
Electric and electronic equipment	433.73	434.56	400.01	44.9	44.8	42.6	9.66	9.70	9.39
Electrical industrial apparatus	521.22	521.22	456.67	47.6	47.6	43.7	10.95	10.95	10.45
Transportation equipment	588.96	573.27	640.36	41.1	40.6	43.8	14.33	14.12	14.62
Nondurable Goods[f]	474.01	466.58	489.05	41.8	41.4	42.6	11.34	11.27	11.48
Food and kindred products	365.80	368.05	362.94	43.6	43.3	42.4	8.39	8.50	8.56
Paper and allied products	516.53	491.73	476.39	47.0	45.7	45.5	10.99	10.76	10.47
Printing and publishing	425.09	430.56	417.90	38.4	39.0	39.8	11.07	11.04	10.50
Rubber and misc. plastics products	555.15	554.80	624.36	39.4	39.6	43.0[j]	14.09	14.01	14.52
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	539.87	527.88	533.48	40.5	39.9	40.6	13.33	13.23	13.14
WHOLESALE TRADE	406.62	403.81	384.87	40.5	40.1	40.3	10.04	10.07	9.55
RETAIL TRADE[h]	158.74	157.35	156.06	27.8	27.8	28.9	5.71	5.66	5.40
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	355.58	356.16	333.61	33.8	33.6	32.9	10.52	10.60	10.14

[a]See Technical Notes for concepts [b]Preliminary [c]Revised [d]Based on unrounded figures [e]Includes lumber and wood products, furniture and fixtures, stone, clay and glass products, primary metal industries, instruments and related products, miscellaneous manufacturing [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, chemicals and allied products, petroleum and coal products, leather and leather products [g]Includes mining [h]Money payments only, tips not included [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j]Depressed due to labor-management disputes

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	2,750	2,449	2,873
Active File of Job Seekers	21,111	21,238	27,935
Referrals to Jobs	1,691	1,278	1,538
Placements	517	255	533
Job Openings Received	737	1,083	977
Job Openings Unfilled	1,458	2,466	1,672
Unemployment Insurance Program			
Initial Claims	3,537	2,536	2,812
Continued Claims	24,762	22,914	23,390
First Payments	1,328	1,110	1,183
Last Payments	454	537	481
Weeks Compensated	18,894	21,070	19,043
Benefits Paid	$2,585,868	$2,923,159	$2,597,599
Average Weekly Payment	$140.22	$141.79	$139.86

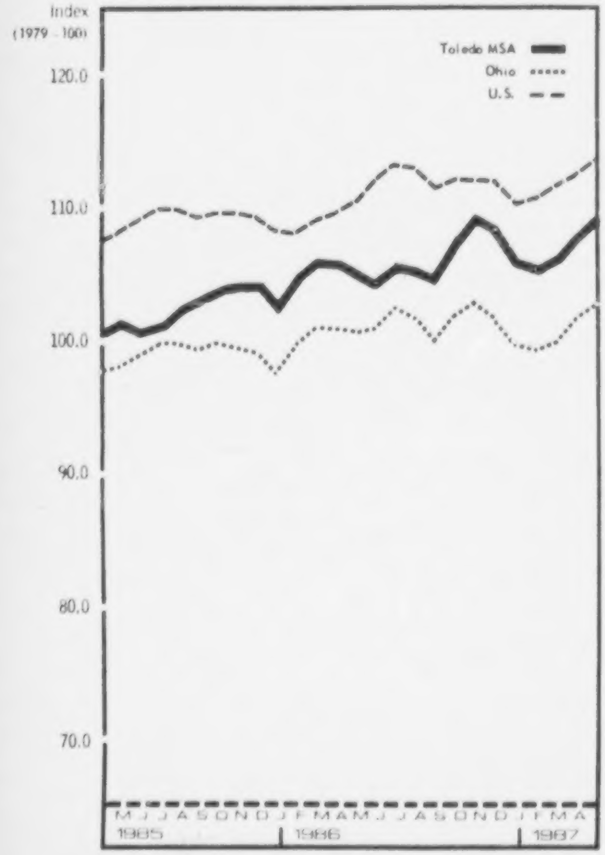
TOLEDO
METROPOLITAN STATISTICAL AREA



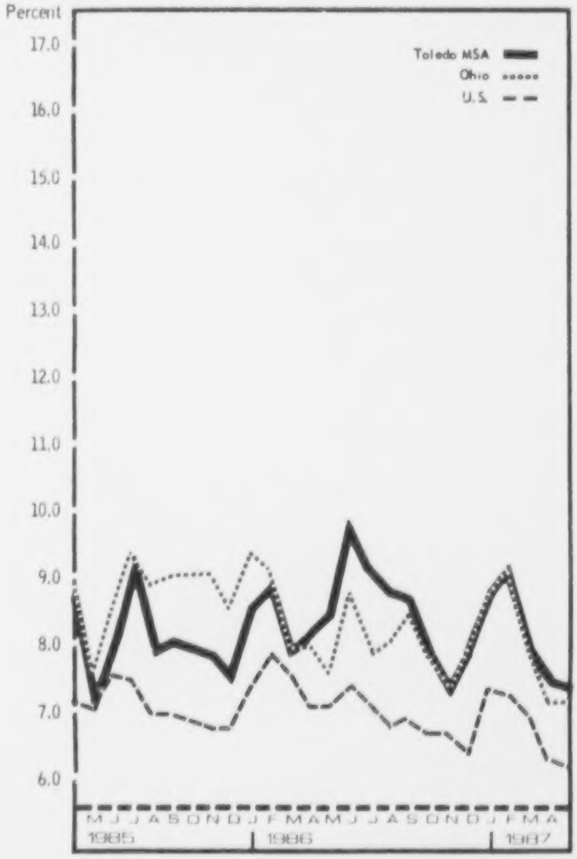
Nonagricultural wage and salary employment in the Toledo area declined 2,400 from May, to 283,200. Although construction, services, and retail trade registered modest gains, nonmanufacturing employment decreased 2,800 due to the summer break in state government education. Manufacturing employment advanced 400 over the month, to 62,400, with moderate growth noted in both durable- and nondurable-goods industries. Production workers average hourly earnings remained relatively stable at $12.72. Their average workweek of 41.5 hours was .4 hours shorter in June.

Total nonfarm employment increased 12,800 since June 1986. Nonmanufacturing employment gained 13,600 jobs as all sectors realized growth. Notable increases were recorded in services, especially health and business services, retail trade, transportation and public utilities, and construction. Manufacturing employment decreased 900 over the period, with significant losses in stone, clay, and glass products.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



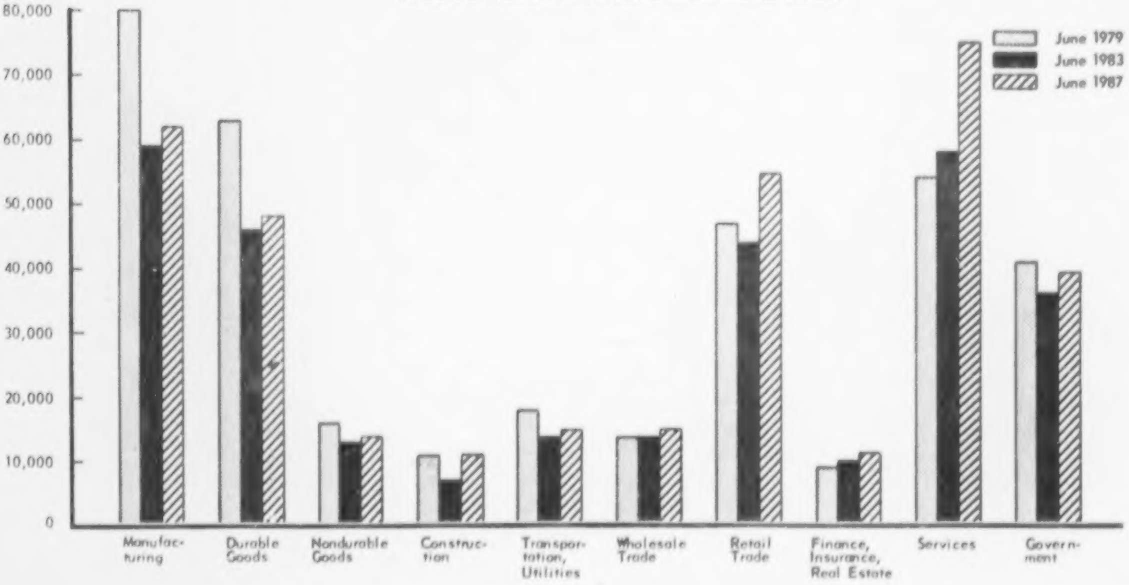
Toledo MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	INA
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
306.0	280.1	25.9	8.4	May	273.1	62.8	43.5	524.55	42.2	12.43
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.6	291.7	22.9	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
INA	INA	INA	INA	June	283.2	62.4	43.9	527.88	41.5	12.72

INA information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	283.2	285.6	270.5	- 2.4	12.8
MANUFACTURING	62.4	62.0	63.3	.4	- .9
Durable Goods[e]	48.3	48.0	49.4	.3	- 1.1
Stone, clay, and glass products	7.8	7.9	8.7	- .1	- .9
Primary metal industries	3.2	3.1	3.4	.0	- .2
Fabricated metal products	7.5	7.5	7.5	.1	.0
Metal forgings and stampings	3.2	3.2	3.2	.0	.0
Machinery, except electrical	6.2	6.1	6.0	.1	.2
Electric and electronic equipment	2.7	2.7	2.9	.0	- .2
Transportation equipment	16.4	16.3	16.5	.1	.0
Motor vehicles and equipment	15.5	15.4	15.4	.1	.1
Nondurable Goods[f]	14.1	14.0	13.9	.1	.2
Food and kindred products	3.6	3.6	3.5	.0	.1
Rubber and misc. plastics products	3.2	3.2	2.9	.0	.3
NONMANUFACTURING[g]	220.8	223.6	207.2	- 2.8	13.6
CONSTRUCTION	10.9	10.5	9.8	.4	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.7	14.6	13.3	.2	1.4
Trucking and warehousing	5.8	5.7	5.4	.1	.4
Communication, electric, gas services	5.1	5.1	4.2[j]	.0	.9
WHOLESALE TRADE	14.6	14.6	14.7	.0	.0
Wholesale trade-durable goods	9.7	9.6	9.8	.1	- .1
RETAIL TRADE	54.5	54.3	52.1	.3	2.4
General merchandise stores	6.9	6.9	6.9	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.5	11.5	11.1	.0	.4
Banking	3.6	3.6	3.5	.0	.0
SERVICES	74.7	74.3	67.1	.4	7.6
Business services	14.6	14.4	12.8	.3	1.8
Health services	29.5	29.3	26.0	.2	3.5
Hospitals	15.5	15.4	14.7	.0	.7
GOVERNMENT	39.5	43.5	39.0	- 4.0	.6
State government	12.6	16.3	12.3	- 3.7	.3
State government education[i]	8.4	12.2	8.3	- 3.8	.0
State government, except education	4.2	4.1	4.0	.1	.2
Local government	24.3	24.5	24.0	- .2	.3
Local government education	13.7	14.2	13.4	- .5	.3
Local government, except education	10.6	10.3	10.6	.3	.0

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

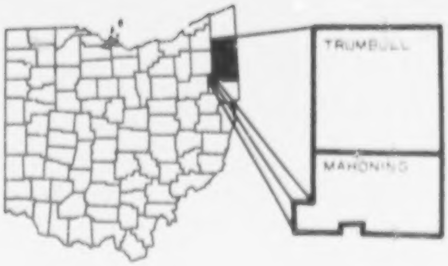
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$527.88	$532.55	$524.12	41.5	41.9	42.2	$12.72	$12.71	$12.42
Durable Goods[e]	550.37	556.14	543.98	41.6	42.1	42.3	13.23	13.21	12.86
Stone, clay, and glass products	515.30	506.97	553.14	40.8	40.3	43.9	12.63	12.58	12.60
Primary metal industries	496.80	489.06	502.74	43.2	42.9	44.1	11.50	11.40	11.40
Fabricated metal products	531.62	505.93	484.26	42.7	41.3	40.9	12.45	12.25	11.84
Metal forgings and stampings	642.69	610.90	567.59	44.6	42.9	41.4	14.41	14.24	13.71
Machinery, except electrical	473.88	491.10	449.74	41.1	42.3	40.7	11.53	11.61	11.05
Electric and electronic equipment	522.92	527.09	571.05	41.7	41.7	42.3	12.54	12.64	13.50
Transportation equipment	646.35	669.85	644.30	41.3	43.3	42.5	15.65	15.47	15.16
Motor vehicles and equipment	648.49	673.32	646.18	41.2	43.3	42.4	15.74	15.55	15.24
Nondurable Goods[f]	449.90	446.90	454.37	41.2	41.0	41.8	10.92	10.90	10.87
Food and kindred products	519.51	525.81	538.82	42.1	42.2	42.9	12.34	12.46	12.56
Rubber and misc. plastics products	329.64	316.80	344.42	40.2	40.0	41.9	8.20	7.92	8.22
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	633.88	598.92	648.93	42.4	42.0	44.6	14.95	14.26	14.55
WHOLESALE TRADE	347.64	362.88	349.06	37.3	38.4	37.9	9.32	9.45	9.21
RETAIL TRADE[h]	159.76	162.32	155.05	29.1	29.3	29.2	5.49	5.54	5.31

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products, furniture and fixtures, instruments and related products, miscellaneous manufacturing. [f]Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	2,321	2,523	2,134
Active File of Job Seekers	15,925	16,196	27,410
Referrals to Jobs	1,273	966	1,081
Placements	341	385	295
Job Openings Received	869	523	571
Job Openings Unfilled	1,641	1,263	539
Unemployment Insurance Program			
Initial Claims	3,899	3,639	3,559
Continued Claims	26,151	25,425	29,928
First Payments	1,261	1,149	1,426
Last Payments	349	445	444
Weeks Compensated	17,785	19,386	26,401
Benefits Paid	$2,531,251	$2,830,234	$4,094,294
Average Weekly Payment	$145.97	$149.48	$158.34

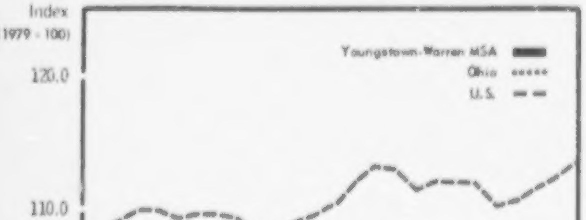
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



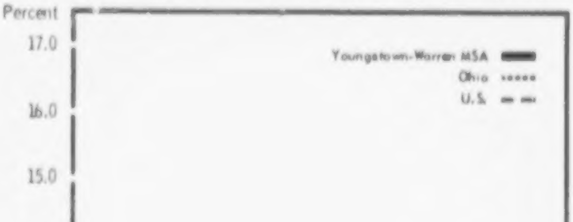
In the Youngstown-Warren metropolitan area, nonagricultural wage and salary employment totaled 194,300 in June 1987, up 1,000 from May. The increase occurred largely in nonmanufacturing. Seasonal gains in construction were partially offset by layoffs of nonteaching personnel in public schools. Manufacturing employment increased slightly over the month, to 51,000. Factory production workers in manufacturing earned $13.27 per hour, up $.02 from May. Their average workweek remained unchanged over the month at 42.7 hours.

Over the year, nonagricultural wage and salary employment rose 4,700, with most of the change occurring in services and construction, although nearly all nonmanufacturing divisions had increased employment. Declines in most durable-goods industries lowered manufacturing employment 1,000 from June 1986.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



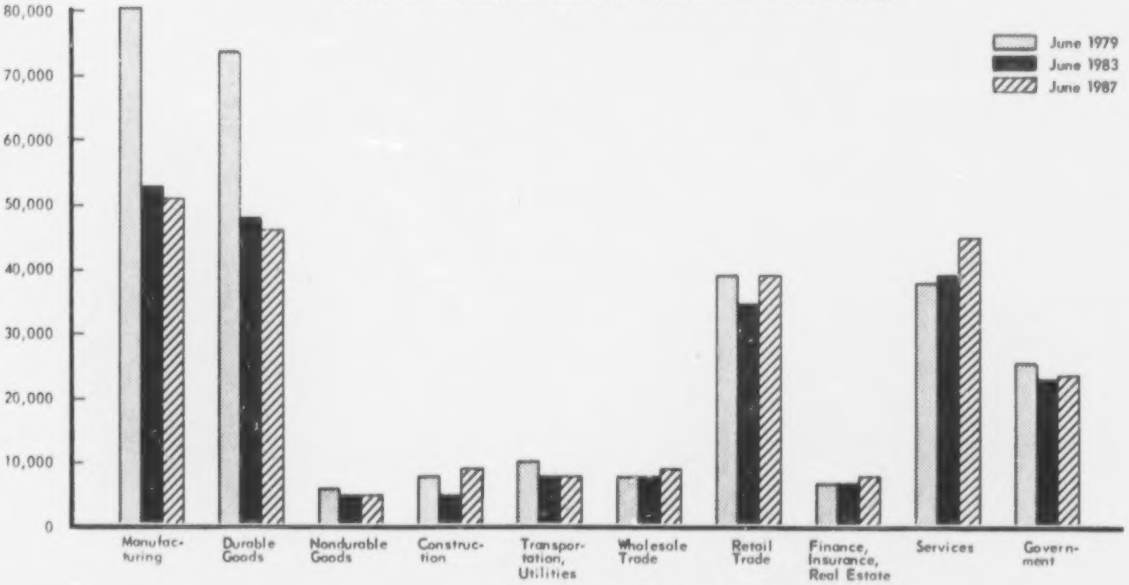
Youngstown-Warren MSA Labor Force & Employment Data

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
221.9	201.3	20.6	9.3	May	189.8	52.2	39.0	533.79	40.5	13.18
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.4	203.9	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
INA	INA	INA	INA	June	194.3	51.0	38.2	566.63	42.7	13.27

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	June 1987[b]	May 1987[c]	June 1986[c]	From Last Month	From Last Year
TOTAL	194.3	193.3	189.6	1.0	4.7
MANUFACTURING	51.0	50.9	52.1	.1	- 1.0
Durable Goods[e]	45.8	45.6	46.9	.2	- 1.1
Primary metal industries	19.4	19.4	19.7	.0	- .3
Blast furnace and basic steel products	6.8	6.8	6.4	.0	.4
Fabricated metal products	7.7	7.6	7.9	.1	- .2
Machinery, except electrical	3.5	3.5	3.8	.0	- .3
Electric and electronic equipment	2.3	2.3	2.4	.0	- .1
Transportation equipment	9.6	9.6	10.0	.0	- .4
Nondurable Goods[f]	5.2	5.4	5.2	- .2	.0
NONMANUFACTURING[g]	143.3	142.3	137.5	.9	5.7
CONSTRUCTION	8.9	8.1	7.4	.7	1.5
TRANSPORTATION AND PUBLIC UTILITIES	8.2	8.1	7.7	.0	.5
Communication, electric, gas services	3.1	3.1	3.1	.0	.1
WHOLESALE TRADE	9.3	9.2	9.3	.2	.0
Wholesale trade-durable goods	6.0	5.9	6.1	.1	.0
RETAIL TRADE	38.5	38.5	37.6	.1	.9
General merchandise stores	5.5	5.5	5.6	.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	8.5	8.4	8.2	.1	.3
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.0	44.8	43.4	.2	1.6
Health services	19.8	19.7	19.0	.1	.9
Hospitals	10.3	10.3	10.0	.0	.2
GOVERNMENT	24.3	24.8	23.4	- .5	.9
State government	4.3	4.2	4.2	.0	.1
State government education[i]	2.7	2.8	2.6	.0	.1
State government, except education	1.6	1.5	1.5	.1	.0
Local government	18.0	18.5	17.2	- .5	.8
Local government education	11.4	12.1	10.6	- .6	.9
Local government, except education	6.6	6.4	6.6	.2	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]	June 1987[b]	May 1987[c]	June 1986[c]
MANUFACTURING	$566.63	$565.78	$539.97	42.7	42.7	41.0	$13.27	$13.25	$13.17
Durable Goods[e]	580.87	581.36	555.26	42.9	43.0	41.1	13.54	13.52	13.51
Primary metal industries	596.31	595.40	545.53	41.7	41.9	38.8	14.30	14.21	14.06
Blast furnace and basic steel products	600.44	606.32	514.74	43.7	44.0	37.3	13.74	13.78	13.80
Fabricated metal products	537.73	543.10	573.08	41.3	41.3	42.2	13.02	13.15	13.58
Machinery, except electrical	519.78	504.45	458.28	43.9	43.3	40.7	11.84	11.65	11.26
Electric and electronic equipment	427.45	428.13	405.72	39.8	39.9	39.2	10.74	10.73	10.35
Transportation equipment	697.25	694.78	668.83	47.4	47.2	45.1	14.71	14.72	14.83
Nondurable Goods[f]	421.06	416.07	379.20	40.8	40.2	40.0	10.32	10.35	9.48
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	554.73	535.70	534.64	41.0	40.4	41.0	13.53	13.26	13.04
WHOLESALE TRADE	337.42	340.10	323.67	37.7	38.3	37.9	8.95	8.88	8.54
RETAIL TRADE[h]	174.05	174.94	168.64	29.4	29.6	29.9	5.92	5.91	5.64

[a] See Technical Notes for concepts [b] Preliminary [c] Revised [d] Based on unrounded figures [e] Includes lumber and wood products, furniture and fixtures, stone, clay, and glass products, instruments and related products, miscellaneous manufacturing [f] Includes food and kindred products, tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastics products, leather and leather products [g] Includes mining [h] Money payments only, tips not included [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education [j] Depressed due to labor-management disputes

Selected Administrative Program Activities

	June 1987	May 1987	June 1986
Employment Service Program			
New Applicants	1,903	1,731	2,059
Active File of Job Seekers	19,042	17,471	32,551
Referrals to Jobs	1,507	1,145	1,258
Placements	576	325	485
Job Openings Received	786	464	650
Job Openings Unfilled	639	632	552
Unemployment Insurance Program			
Initial Claims	4,579	3,768	4,175
Continued Claims	20,878	24,324	19,695
First Payments	964	1,185	938
Last Payments	342	429	427
Weeks Compensated	16,974	21,085	17,200
Benefits Paid	$2,327,263	$2,994,524	$2,407,857
Average Weekly Payment	$141.72	$146.66	$143.96

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow.

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	June 1987	May 1987	June 1986
New Applicants	41,471	36,395	46,638
Active File of Job Seekers	292,657	260,152	421,135
Counseling Interviews	1,470	1,411	1,860
Tests Administered	3,879	2,682	6,153
General Aptitude Tests	410	331	587
Proficiency Tests	397	466	536
Specific Aptitude Tests	1,286	600	290
Referrals to Jobs	26,800	24,927	27,872
Placements	8,473	6,191	7,215
Job Openings Received	13,416	13,951	12,879
Job Openings Unfilled	22,801	27,429	23,964

Selected Unemployment Insurance Activities

	June 1987	May 1987	June 1986
Initial Claims	55,473	44,061	54,748
Continued Claims	389,194	392,865	422,587
First Payments	17,673	18,737	20,066
Last Payments	6,965	8,090	8,251
Average Weekly Claimants	88,426	96,227	101,165
Average Weekly Benefit Recipients	73,711	81,305	86,304
Weeks Compensated	298,443	347,341	345,217
Benefits Paid	$43,017,081	$50,695,031	$50,034,506
Average Weekly Payment	$147.91	$149.65	$148.50
Continued Claims for Survey Week	89,905	91,986	102,242
Insured Unemployment Rate	2.1	2.3	2.4
Net Contributions	$9,653,004	$352,610,306	$6,686,950
Active Employer Accounts	197,026	195,506	192,819

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Ohio
Labor
Market
Information

Labor Market Review

July 1987

Summary. In July, the seasonally adjusted unemployment rate in Ohio was 7.1 percent, its lowest point since March 1980. The U.S. rate, at 6.0 percent, was down slightly from June. It has not been at that level since December 1979. Total employment in Ohio rose 9,000 from June, to 4,868,000 in July. The number of unemployed declined 6,000, to 372,000. Gains in services were primarily responsible for increasing the seasonally adjusted nonagricultural payroll employment 9,000 from June, to 4,576,000. (See page 3.)

Factory Employment. Ohio's seasonally adjusted manufacturing employment totaled 1,081,000 in July, down 3,000 from June. Durable-goods employment also fell 3,000, to 727,000, while employment in nondurable-goods industries was unchanged at 354,000.

Nonmanufacturing. Nonmanufacturing employment in Ohio increased 12,000 from June, to 3,495,000 in July. Most of the gain occurred in services--up 8,000. Retail trade employment rose 3,000, and wholesale trade and finance, insurance, and real estate each advanced 1,000. Employment in government declined by 1,000, while mining, construction, and transportation and public utilities were unchanged from June.

Over the Year. The civilian labor force in Ohio rose from 5,204,000 in July 1986 to 5,240,000 in July 1987, a gain of 36,000. Total employment increased by 91,000, while the number of jobless workers was down 55,000. Ohio's unemployment rate fell from 8.2 percent to 7.1 percent over the year, while the nation's rate dropped from 7.0 percent to 6.0 percent. Nonagricultural wage and salary employment in Ohio was 104,000 higher in July 1987 than in July 1986. Growth in services and retail trade accounted for more than four-fifths of the increase. Significant gains also occurred in construction and finance, insurance, and real estate. Mining was down 2,000, while declines in durable-goods industries lowered manufacturing employment 22,000.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries earned an average of $487.20 per week in July, down $11.22 from June. Their average workweek of 42.0 hours was .6 hours shorter. Nearly all industries had lower earnings. The most significant declines were in motor vehicles and equipment, due to vacation shutdowns and retooling for model changes; and in metal forgings and stampings, iron and steel foundries, and fabricated structural metal products, due to reductions in overtime.

Benefits and Costs. There were 79,012 initial claims filed under the Ohio Unemployment Compensation Law in July, up 42.4 percent from June, and up 10.1 percent from July 1986. Total benefits paid rose 20.4 percent, to $51.8 million. The average weekly benefit check of $148.36 was $.45 higher. The number of benefit recipients averaged 74,480 per week, an

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

increase of 1.0 percent from June. At the end of July, there were 196,496 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 44,514 new job applicants in July, up 7.3 percent from June, but down 16.0 percent from July 198. Job openings received from employers, at 20,364, were up 51.8 percent from last month. The Employment Services Division made 32,426 job referrals and 12,915 placements.

Ohio has become a Wage Recording State

Ohio's system of payroll reporting is changing significantly as a result of congressional action taken in 1984. The Social Security Act was amended to require states to establish a system to crossmatch income eligibility data and to collect individual employee wage data from their employers. In Ohio, the Unemployment Compensatation Law was changed to meet the congressional mandate and, simultaneously, to convert from a wage request system to a wage reporting system for unemployment compensation purposes. Under this system, OBES will collect wage data for all employees on a quarterly basis instead of requesting wage information when an application for benefits is filed.

Some of the benefits of the Wage Record System are:
- streamlining of the claims processing procedure;
- revealing of unreported employment; and
- reduction in the number of UC appeals.

For more information about the Wage Record System, contact OBES on the Wage Record Hotline (1-800-654-8098).

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1987	Jun. 1987	Jul. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,240	5,237	5,204	3	36	0.1	0.7
Employment	4,868	4,859	4,777	9	91	0.2	1.9
Unemployment	372	378	427	-6	-55	-1.6	-12.9
Unemployment Rate	7.1	7.2	8.2				
Employer Survey Data[e]							
Total	4,576	4,567	4,472	9	104	0.2	2.3
Manufacturing	1,081	1,084	1,103	-3	-22	-0.3	-2.0
Durable Goods	727	731	749	-3	-22	-0.4	-2.9
Nondurable Goods	354	354	354	0	0	0.0	-0.1
Nonmanufacturing	3,495	3,483	3,369	12	126	0.4	3.8
Mining	20	20	22	0	-2	-0.5	-8.6
Construction	174	174	160	0	14	0.2	8.7
Transportation and Public Utilities	210	210	206	0	4	-0.0	1.9
Wholesale Trade	250	249	245	1	4	0.2	1.8
Retail Trade	850	847	820	3	30	0.3	3.6
Finance, Insurance, and Real Estate	243	242	233	1	10	0.5	4.3
Services	1,060	1,052	1,002	8	58	0.7	5.8
Government	688	689	680	-1	8	-0.1	1.2
Goods Producing Industries[f]	1,275	1,278	1,285	-3	-10	-0.2	-0.8
Service Producing Industries[g]	3,301	3,289	3,187	12	114	0.4	3.6

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1985
5,150	4,647	503	9.8	7.3	July
5,132	4,675	457	8.9	7.1	August
5,167	4,701	466	9.0	7.1	September
5,172	4,707	465	9.0	7.1	October
5,192	4,727	465	9.0	7.0	November
5,185	4,754	431	8.3	7.0	December
					1986
5,218	4,759	459	8.8	6.8	January
5,325	4,869	456	8.6	7.2	February
5,297	4,896	401	7.6	7.2	March
5,248	4,823	425	8.1	7.1	April
5,214	4,784	430	8.2	7.2	May
5,204	4,752	452	8.7	7.1	June
5,204	4,777	427	8.2	7.0	July
5,185	4,763	422	8.1	6.8	August
5,163	4,734	429	8.3	7.0	September
5,214	4,810	404	7.7	6.9	October
5,264	4,875	389	7.4	6.9	November
5,276	4,861	415	7.9	6.7	December
					1987
5,287	4,850	437	8.3	6.7	January
5,303	4,848	455	8.6	6.7	February
5,215	4,824	391	7.5	6.6	March
5,223	4,846	377	7.2	6.3	April
5,294	4,878	416	7.9	6.3	May
5,237	4,859	378	7.2	6.1	June
5,240	4,868	372	7.1	6.0	July

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural			
		Manufacturing		
			Durable	Nondurable
1985				
July	4,374	1,122	767	355
August	4,380	1,119	763	356
September	4,385	1,114	759	355
October	4,398	1,117	762	356
November	4,410	1,120	763	357
December	4,422	1,123	766	357
1986				
January	4,438	1,124	767	357
February	4,440	1,122	764	357
March	4,440	1,117	760	356
April	4,459	1,117	761	356
May	4,464	1,112	756	356
June	4,466	1,111	755	356
July	4,472	1,103	749	354
August	4,484	1,103	748	355
September	4,488	1,100	744	355
October	4,497	1,094	739	355
November	4,517	1,103	747	356
December	4,532	1,106	750	356
1987				
January	4,556	1,106	748	358
February	4,564	1,108	750	358
March	4,563	1,099	741	357
April	4,570	1,098	741	357
May	4,572	1,091	735	356
June	4,567	1,084	731	354
July	4,576	1,081	727	354

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,252	26	154	202	243	July	790	219	952	667
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	273	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,495	20	174	210	250	July	850	243	1060	688

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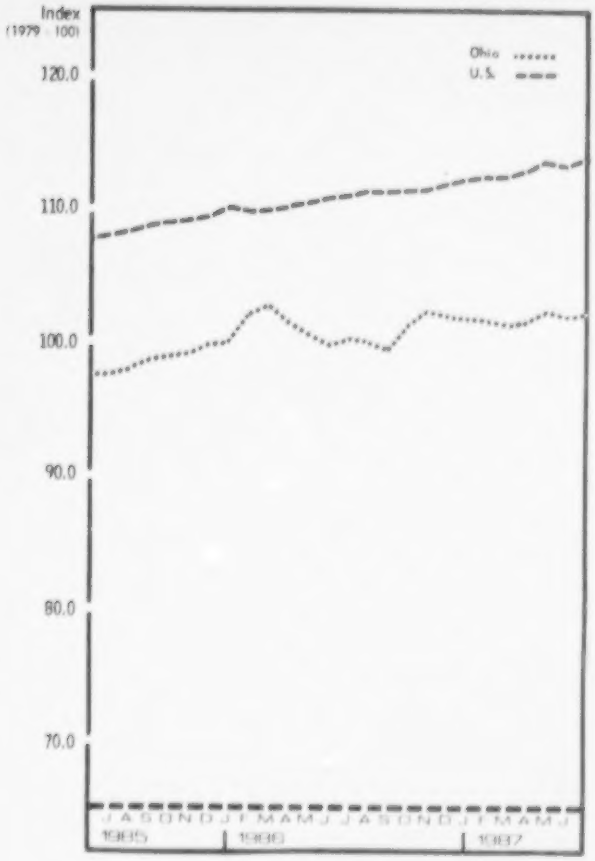
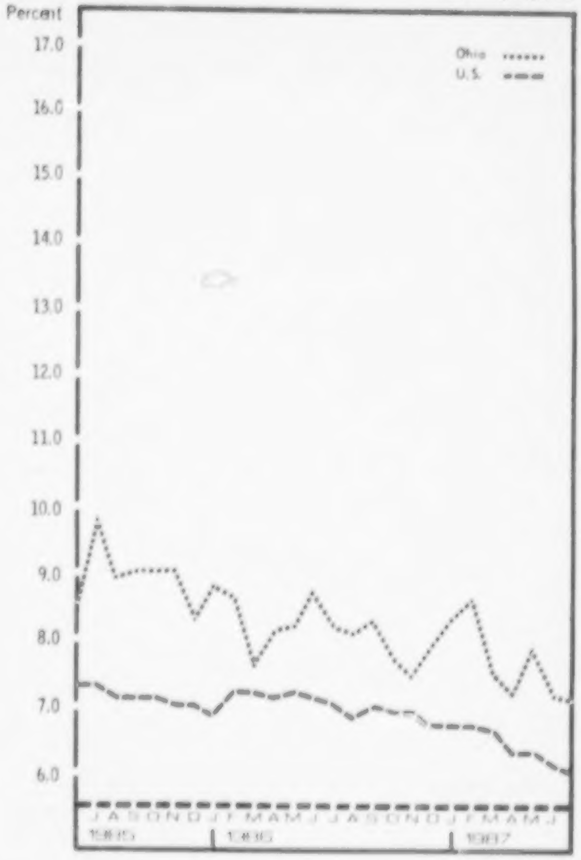
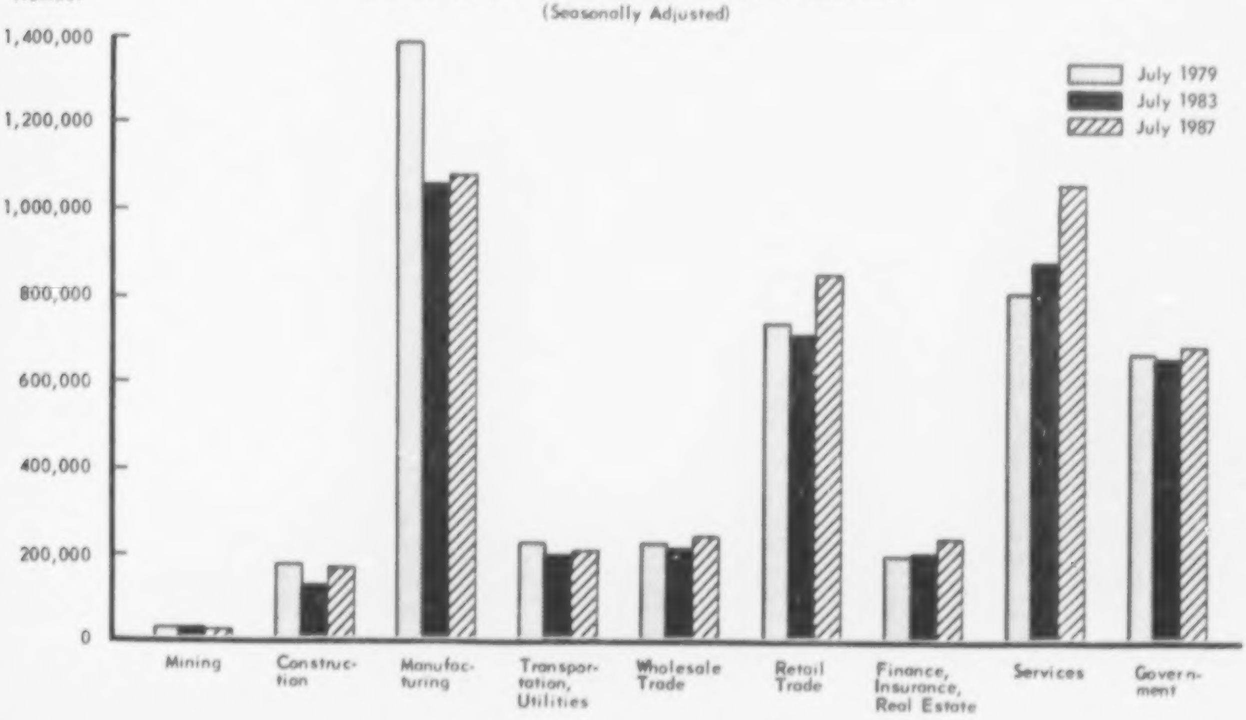
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each serier are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Review*.



INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rate	
	Total	Employed	Unemployed	Ohio	U.S.
1976	4,751	4,380	370	7.8	7.7
1977	4,833	4,520	312	6.5	7.1
1978	4,959	4,690	268	5.4	6.1
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,139	4,684	456	8.9	7.2
1986	5,234	4,809	426	8.1	7.0
1986					
July	5,295	4,882	413	7.8	7.0
August	5,261	4,838	423	8.0	6.7
September	5,189	4,755	434	8.4	6.8
October	5,263	4,855	408	7.8	6.6
November	5,282	4,894	388	7.3	6.6
December	5,259	4,841	418	7.9	6.3
1987					
January	5,196	4,744	452	8.7	7.3
February	5,205	4,732	473	9.1	7.2
March	5,154	4,749	405	7.9	6.9
April	5,205	4,837	367	7.1	6.2
May	5,264	4,892	372	7.1	6.1
June	5,293	4,909	384	7.3	6.3
July	5,325	4,967	358	6.7	6.1

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1976	4,094.6	1,295.3	910.6	384.6
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,475.2	1,109.3	753.2	356.1
1986				
July	4,478.3	1,105.8	750.6	355.2
August	4,488.4	1,107.4	748.4	359.0
September	4,531.8	1,109.4	748.0	361.4
October	4,546.2	1,098.4	741.5	356.9
November	4,563.9	1,105.8	749.1	356.7
December	4,569.4	1,106.3	749.6	356.7
1987				
January	4,466.2	1,095.7	741.2	354.6
February	4,467.2	1,096.0	742.4	353.6
March	4,492.3	1,092.1	738.4	353.6
April	4,556.9	1,094.4	740.1	354.3
May	4,600.3	1,091.0	736.4	354.5
June	4,614.8	1,091.8	736.4	355.4
July	4,583.4	1,083.6	728.8	354.8

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

	Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1976	2,799.3	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	2,886.0	29.1	162.8	219.1	214.6	703.2	183.4	731.4	642.3
1978	3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
1982	3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
1983	3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
1984	3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
1985	3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
1986	3,366.0	22.7	160.8	205.5	246.0	820.5	231.8	998.8	679.8
1986									
July	3,372.5	22.6	175.3	208.1	247.1	825.9	236.1	1,013.8	643.5
August	3,381.0	22.3	179.1	209.9	247.9	832.0	236.4	1,015.5	637.9
September	3,422.4	22.1	180.0	210.8	247.6	834.9	235.4	1,021.7	670.0
October	3,447.7	22.0	180.3	211.4	248.2	839.5	235.4	1,019.1	691.8
November	3,458.0	22.1	174.2	211.2	248.9	850.9	236.0	1,018.7	696.1
December	3,463.1	21.8	163.1	211.5	249.1	865.1	237.1	1,017.4	696.0
1987									
January	3,370.4	21.2	144.7	205.1	246.7	821.3	236.6	1,006.1	688.8
February	3,371.2	20.7	139.6	205.8	246.1	810.4	237.4	1,014.1	697.2
March	3,400.3	20.5	145.6	206.6	246.9	817.0	238.3	1,023.5	701.9
April	3,462.5	20.3	160.7	209.4	248.5	835.5	240.4	1,047.5	700.1
May	3,509.3	20.4	173.8	210.8	249.8	848.4	242.0	1,059.5	704.6
June	3,523.0	20.4	182.5	211.9	251.4	854.6	244.3	1,069.9	688.0
July	3,499.8	20.6	190.4	211.9	251.7	855.9	246.4	1,072.7	650.3

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,295.3	910.6	384.6	1976
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.3	753.2	356.1	1986
			1986
1,105.8	750.6	355.2	July
1,107.4	748.4	359.0	August
1,109.4	748.0	361.4	September
1,098.4	741.5	356.9	October
1,105.8	749.1	356.7	November
1,106.3	749.6	356.7	December
			1987
1,095.7	741.2	354.6	January
1,096.0	742.4	353.6	February
1,092.1	738.4	353.6	March
1,094.4	740.1	354.3	April
1,091.0	736.4	354.5	May
1,091.8	736.4	355.4	June
1,083.6	728.8	354.8	July

Production Workers in Manufacturing

	Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1976	926.1	233.9	38.2
1977	958.0	271.2	40.2
1978	985.5	302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.0	368.9	31.9
1986			
July	751.6	357.5	31.1
August	753.5	362.7	31.6
September	756.4	368.6	32.0
October	746.3	360.9	31.3
November	755.2	375.4	32.2
December	755.4	383.8	32.6
1987			
January	746.3	375.1	31.9
February	747.3	373.0	31.7
March	744.9	371.4	31.7
April	748.5	369.0	31.5
May	745.2	370.9	31.7
June	745.5	371.6	31.8
July	736.8	358.9	30.9

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
401.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
475.69	491.00	438.19	July
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.45	450.78	May
496.42	517.37	453.95	June
487.20	502.60	450.69	July

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
41.4	41.4	41.3	July
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.7	May
42.6	42.9	41.8	June
42.0	42.2	41.5	July

Production Workers Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$6.10	$6.25	$5.69	1976
6.74	6.92	6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
			1986
11.49	11.86	10.61	July
11.49	11.90	10.56	August
11.52	11.93	10.59	September
11.54	11.93	10.66	October
11.67	12.07	10.70	November
11.79	12.21	10.78	December
			1987
11.77	12.18	10.78	January
11.77	12.17	10.79	February
11.73	12.12	10.79	March
11.71	12.10	10.77	April
11.71	12.09	10.81	May
11.70	12.06	10.86	June
11.60	11.91	10.86	July

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

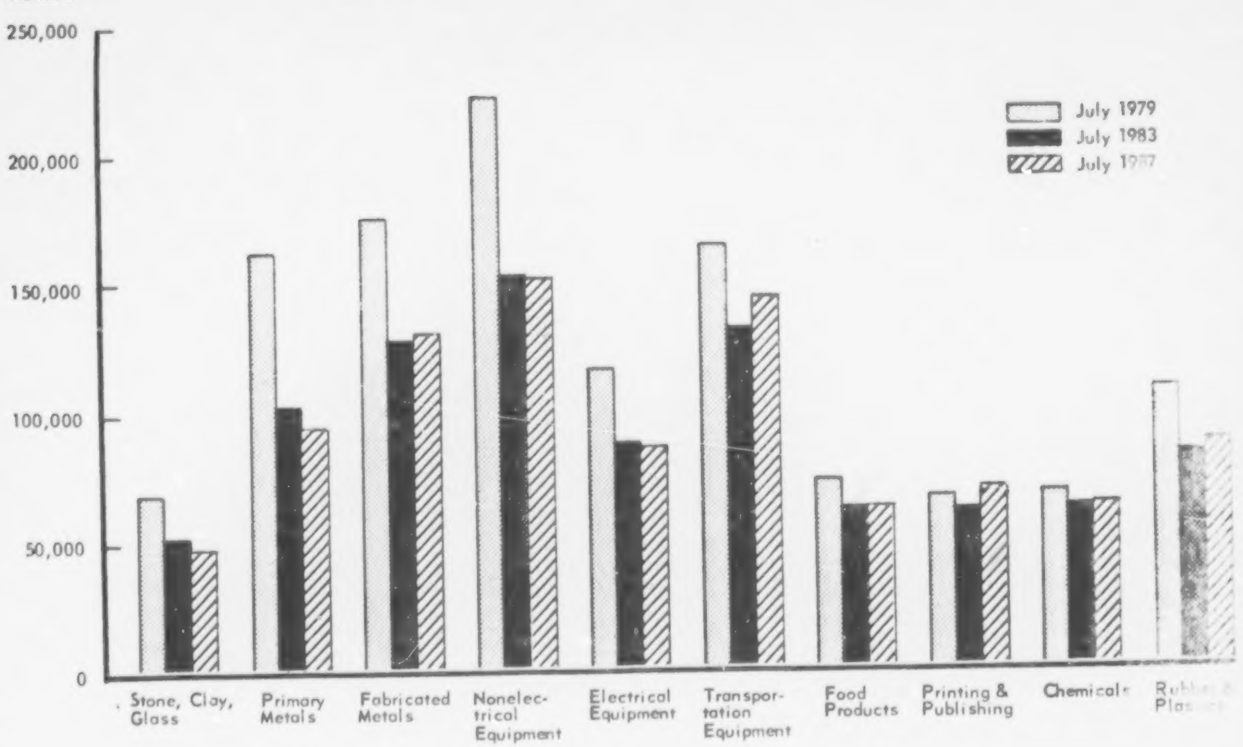
	Stone, Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.[illegible]	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.7	151.2	62.9	66.8	91.4
1986	49.4	95.4	136.8	158.7	89.8	153.5	62.6	68.6	91.5
1986									
July	50.4	93.9	135.5	159.0	89.1	153.5	63.0	68.9	90.2
August	50.6	91.9	135.5	158.3	90.4	151.1	66.2	68.9	90.2
September	50.4	90.1	137.2	158.1	90.1	151.2	66.6	69.3	91.2
October	48.6	90.9	136.0	152.7	90.1	152.5	63.1	69.4	90.6
November	49.2	93.6	136.3	156.0	90.2	153.8	62.4	69.4	90.9
December	49.0	94.1	136.0	156.1	90.2	154.4	62.7	69.1	91.3
1987									
January	47.8	93.8	134.3	155.0	90.6	151.7	62.0	68.8	91.3
February	47.9	95.5	133.5	154.1	89.8	153.6	61.5	69.1	90.8
March	47.7	96.7	133.3	153.8	89.0	148.9	61.5	69.1	90.4
April	48.0	96.7	132.5	153.5	88.0	151.6	62.2	69.3	89.8
May	48.2	95.5	131.8	153.2	87.3	150.3	62.7	69.3	88.9
June	48.4	95.9	133.2	153.6	87.5	147.1	62.7	69.3	88.8
July	47.8	94.8	131.2	152.2	87.7	143.9	63.2	69.7	87.9

Average Weekly Earnings of Production Workers

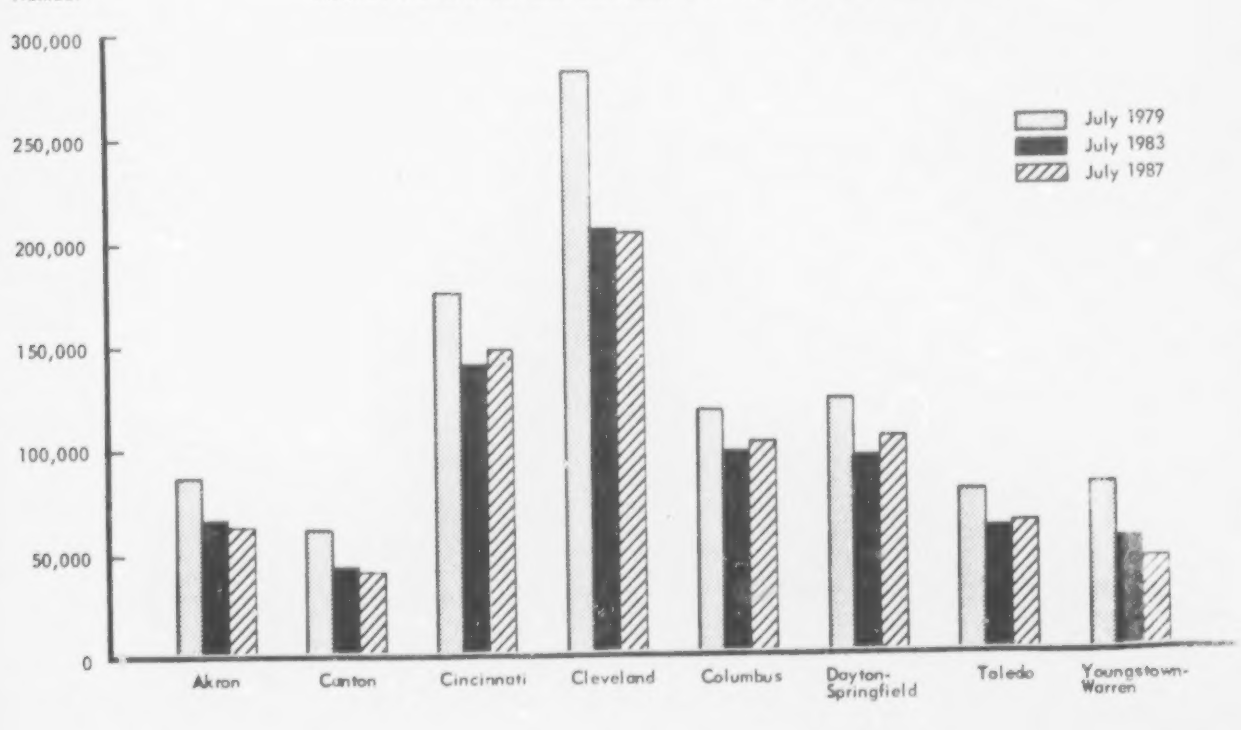
	Stone, Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products	Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1976	$232.40	$294.58	$256.68	$253.31	$221.54	$302.87	$242.92	$252.20	$237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	47[illegible]	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1986									
July	442.24	548.05	472.65	473.30	448.11	600.66	431.04	406.75	431.38
August	449.86	566.46	486.99	481.85	452.35	616.40	422.99	410.80	438.65
September	447.62	559.68	494.38	485.41	464.88	629.31	420.33	417.40	441.34
October	447.44	563.50	488.36	482.58	456.77	610.76	426.72	418.95	443.23
November	442.08	583.73	503.01	492.33	471.33	646.46	423.85	429.37	447.38
December	441.00	596.23	515.70	510.82	489.89	656.48	436.77	429.46	444.19
1987									
January	441.31	593.61	515.91	498.53	473.61	647.91	438.46	416.96	443.59
February	440.67	590.46	510.27	499.80	457.47	646.46	435.77	420.53	433.82
March	449.35	587.80	506.75	506.32	463.29	640.46	436.60	415.56	438.35
April	447.68	595.35	491.82	495.33	461.61	630.08	430.56	414.02	431.38
May	457.52	594.49	495.33	497.14	463.14	634.04	440.11	418.88	435.27
June	453.46	599.86	501.50	505.36	457.32	628.65	445.79	422.28	441.58
July	446.42	593.16	472.27	495.75	452.35	604.78	435.14	428.29	436.80

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	4583.4	4614.8	4478.3	-31.4	105.1
MANUFACTURING	1083.6	1091.8	1105.8	-8.2	-22.2
Durable Goods[e]	728.8	736.4	750.6	-7.6	-21.7
Lumber and wood products	20.5	20.1	18.6	.4	1.9
Furniture and fixtures	14.7	14.6	14.1	.1	.6
Stone, clay, and glass products	47.8	48.4	50.4	-.6	-2.6
Glass and glassware, pressed or blown	9.6	10.5	10.5	-.8	-.9
Primary metal industries	94.8	95.9	93.9	-1.2	.9
Blast furnace and basic steel products	44.7	44.8	43.2	-.1	1.5
Iron and steel foundries	19.2	19.0	19.9	.2	-.7
Nonferrous rolling and drawing	16.4	17.0	17.2	-.6	-.8
Fabricated metal products	131.2	133.2	135.5	-2.0	-4.4
Cutlery, hand tools, and hardware	9.7	9.8	10.1	-.1	-.4
Fabricated structural metal products	28.5	28.4	29.5	.1	-1.0
Metal forgings and stampings	40.7	42.3	42.5	-1.5	-1.7
Machinery, except electrical	152.2	153.6	159.0	-1.4	-6.8
Construction and related machinery	11.8	12.0	12.9	-.2	-1.1
Metalworking machinery	38.5	38.6	41.3	-.2	-2.8
Special industry machinery	16.3	16.8	17.6	-.5	-1.3
General industrial machinery	26.5	26.7	28.1	-.2	-1.6
Office and computing machines	14.0	13.7	13.9	.3	.1
Refrigeration and service machinery	16.8	17.0	16.1	-.2	.7
Electric and electronic equipment	87.7	87.5	89.1	.2	-1.4
Electrical industrial apparatus	16.6	16.7	17.1	-.1	-.5
Household appliances	16.9	17.0	16.8	-.2	.1
Electric lighting and wiring equipment	17.4	17.4	17.8	.0	-.5
Communication equipment	10.1	10.0	10.3	.0	-.3
Transportation equipment	143.9	147.1	153.5	-3.2	-9.6
Motor vehicles and equipment	90.9	93.4	97.5	-2.5	-6.6
Aircraft and parts	43.5	44.2	46.7	-.8	-3.2
Instruments and related products	21.9	22.1	22.3	-.2	-.4
Measuring and controlling devices	12.0	12.1	11.5	-.1	.5
Nondurable Goods[f]	354.8	355.4	355.2	-.6	-.5
Food and kindred products	63.2	62.7	63.0	.5	.2
Meat products	9.8	9.9	9.9	-.1	.0
Dairy products	10.5	10.4	10.3	.1	.2
Preserved fruits and vegetables	10.2	10.1	10.3	.1	-.1
Bakery products	9.1	8.8	8.8	.3	.3
Beverages	10.2	10.1	10.4	.2	-.1
Apparel and other textile products	15.8	15.8	15.5	.0	.3
Paper and allied products	37.1	37.5	36.9	-.4	.2
Misc. converted paper products	11.9	11.9	11.5	.0	.3
Paperboard containers and boxes	12.9	13.0	12.5	-.1	.4
Printing and publishing	69.7	69.3	68.9	.3	.8
Newspapers	19.3	19.2	19.4	.2	-.1
Commercial printing	26.5	26.4	26.1	.1	.4
Chemicals and allied products	64.1	64.3	63.7	-.2	.4
Industrial inorganic chemicals	9.9	10.2	9.8	-.3	.0
Rubber and misc. plastics products	87.9	88.8	90.2	-.9	-2.3
Tires and inner tubes	16.5	16.5	18.1	.0	-1.6
Miscellaneous plastics products	52.6	52.9	52.4	-.3	.2

See footnotes on page 13.

Ohio (continued)

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3499.8	3523.0	3372.5	-23.2	127.3
MINING	20.6	20.4	22.6	.2	-1.9
Bituminous coal and lignite mining	9.2	9.2	10.1	.0	-.9
Oil and gas extraction	6.5	6.5	7.6	.0	-1.1
CONSTRUCTION	190.4	182.5	175.3	7.9	15.1
General building contractors	48.5	46.9	44.3	1.6	4.2
Heavy construction contractors	25.8	24.8	24.5	1.0	1.2
Highway and street construction	13.0	12.6	11.7	.4	1.2
Special trade contractors	116.1	110.8	106.4	5.3	9.7
TRANSPORTATION AND PUBLIC UTILITIES	211.9	211.9	208.1	.0	3.8
Railroad transportation	15.0	15.0	16.1	.0	-1.1
Transportation, except railroads	102.8	103.1	97.8	-.3	5.0
Trucking and warehousing	71.3	71.0	68.5	.3	2.8
Communication, electric, gas services	94.1	93.8	94.2	.3	-.1
Communication	52.5	52.6	52.8	-.1	-.3
Electric, gas, and sanitary services	41.6	41.2	41.4	.3	.2
WHOLESALE TRADE	251.7	251.4	247.1	.3	4.5
Wholesale trade-durable goods	158.8	158.5	156.4	.3	2.5
Motor vehicles & automotive equipment	22.5	22.4	22.6	.1	-.2
Electrical goods	20.6	20.7	20.5	-.1	.1
Machinery, equipment, and supplies	68.6	68.4	67.5	.2	1.0
Wholesale trade-nondurable goods	92.8	92.9	90.8	-.1	2.1
Groceries and related products	29.6	29.9	28.7	-.2	.9
RETAIL TRADE	855.9	854.6	825.9	1.3	30.0
General merchandise stores	111.0	110.5	111.2	.5	-.1
Department stores	98.0	97.8	99.2	.2	-1.2
Food stores	131.7	131.5	128.5	.2	3.1
Automotive dealers & service stations	96.9	96.3	92.2	.6	4.7
Apparel and accessory stores	39.8	39.6	37.6	.2	2.2
Eating and drinking places	308.1	308.4	297.4	-.3	10.7
FINANCE, INSURANCE, AND REAL ESTATE	246.4	244.3	236.1	2.1	10.2
Banking	63.5	63.0	62.3	.5	1.2
Credit agencies other than banks	38.9	38.8	37.2	.2	1.7
Insurance carriers	65.8	65.6	63.6	.2	2.2
Life insurance	23.9	24.2	23.7	-.2	.2
Fire, marine, and casualty insurance	29.4	29.1	28.8	.3	.5
SERVICES	1072.7	1069.9	1013.8	2.7	58.8
Hotels and other lodging places	36.6	35.8	35.5	.8	1.1
Personal services	56.6	57.0	53.1	-.4	3.5
Laundry, cleaning, & garment services	18.8	18.9	18.2	-.1	.6
Business services	218.3	214.7	195.3	3.6	23.0
Services to buildings	30.1	30.1	28.0	.0	2.1
Computer and data processing services	20.0	19.6	17.8	.4	2.1
Amusement and recreation services	54.4	53.6	52.7	.7	1.7
Health services	363.6	360.6	347.4	3.1	16.3
Nursing and personal care facilities	80.6	79.7	77.1	1.0	3.5
Hospitals	178.4	177.2	171.4	1.2	7.0
Educational services	46.2	53.2	46.7	-7.0	-.5
Colleges and universities	21.9	26.0	23.0	-4.1	-1.2
GOVERNMENT	650.3	688.0	643.5	-37.7	6.8
Federal government	95.3	94.8	94.6	.5	.7
State government	134.8	149.3	132.0	-14.5	2.8
State government education[1]	58.7	73.7	57.9	-15.0	.8
State government, except education	76.1	75.6	74.1	.5	2.0
Local government	420.2	443.8	416.9	-23.7	3.2
Local government education	222.9	251.1	221.2	-28.2	1.7
Local government, except education	197.3	192.8	195.8	4.5	1.5

See footnotes on page 13.

Ohio

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$487.20	$498.42	$475.69	42.0	42.6	41.4	$11.60	$11.70	$11.49
Durable Goods[e]	502.60	517.37	491.00	42.2	42.9	41.4	11.91	12.06	11.86
Lumber and wood products	300.94	305.34	297.25	41.0	41.6	41.4	7.34	7.34	7.18
Furniture and fixtures	349.46	349.66	331.50	40.4	40.8	39.7	8.65	8.57	8.35
Stone, clay, and glass products	446.42	453.46	442.24	41.8	42.3	41.1	10.68	10.72	10.76
Glass and glassware, pressed or blown	463.30	455.31	469.53	39.7	39.8	40.9	11.67	11.44	11.48
Primary metal industries	593.16	599.86	548.05	44.2	44.5	41.3	13.42	13.48	13.27
Blast furnace and basic steel products	634.34	627.41	571.46	45.9	45.3	41.5	13.82	13.85	13.77
Iron and steel foundries	574.52	623.12	542.64	42.4	44.7	40.8	13.55	13.94	13.30
Nonferrous rolling and drawing	595.53	594.30	559.60	41.5	42.0	40.0	14.35	14.15	13.99
Fabricated metal products	472.27	501.50	472.65	41.5	42.9	41.1	11.38	11.69	11.50
Cutlery, hand tools, and hardware	466.67	466.72	451.62	40.3	40.2	38.6	11.58	11.61	11.70
Fabricated structural metal products	424.74	461.78	429.77	41.6	43.4	42.3	10.21	10.64	10.16
Metal forgings and stampings	567.95	619.16	588.13	41.7	44.1	41.8	13.62	14.04	14.07
Machinery, except electrical	495.75	505.36	473.30	42.7	42.9	41.3	11.61	11.78	11.46
Construction and related machinery	408.24	428.26	399.60	40.5	41.7	39.1	10.08	10.27	10.22
Metalworking machinery	468.78	480.20	460.90	42.5	43.3	41.9	11.03	11.09	11.00
Special industry machinery	475.44	484.92	456.04	42.0	42.8	41.8	11.32	11.33	10.91
General industrial machinery	506.15	532.29	493.85	41.9	43.1	41.5	12.08	12.35	11.90
Office and computing machines	410.77	403.94	388.74	42.7	41.6	41.8	9.62	9.71	9.30
Refrigeration and service machinery	586.98	576.20	570.26	44.2	43.0	41.9	13.28	13.40	13.61
Electric and electronic equipment	452.35	457.32	448.11	40.9	41.2	41.3	11.06	11.10	10.85
Electrical industrial apparatus	465.93	471.65	437.38	41.9	42.3	40.8	11.12	11.15	10.72
Household appliances	476.49	457.85	468.54	40.9	39.3	41.5	11.65	11.65	11.29
Electric lighting and wiring equipment	433.74	471.44	426.10	38.9	41.5	39.6	11.15	11.36	10.76
Communication equipment	504.06	509.96	462.84	41.9	41.8	40.6	12.03	12.20	11.40
Transportation equipment	604.78	628.65	600.66	42.5	43.9	42.6	14.23	14.32	14.10
Motor vehicles and equipment	617.40	648.40	619.65	42.0	43.9	42.5	14.70	14.77	14.58
Aircraft and parts	584.32	588.30	575.04	44.0	44.2	44.2	13.28	13.31	13.01
Instruments and related products	360.36	363.77	356.31	39.6	39.8	39.9	9.10	9.14	8.93
Measuring and controlling devices	359.14	351.71	351.00	38.7	37.9	39.0	9.28	9.28	9.00
Nondurable Goods[f]	450.69	453.95	438.19	41.5	41.8	41.3	10.86	10.86	10.61
Food and kindred products	435.14	445.79	431.04	41.8	42.7	42.3	10.41	10.44	10.19
Meat products	369.15	387.94	402.97	41.2	43.2	41.5	8.96	8.98	9.71
Dairy products	481.80	459.65	464.71	44.0	43.2	44.3	10.95	10.64	10.49
Preserved fruits and vegetables	418.08	427.18	384.89	40.2	40.8	40.6	10.40	10.47	9.48
Bakery products	458.54	475.73	471.83	39.7	40.8	41.1	11.55	11.66	11.48
Beverages	429.89	446.09	438.04	41.9	43.1	42.2	10.26	10.35	10.38
Apparel and other textile products	279.36	279.74	270.85	37.7	37.6	36.9	7.41	7.44	7.34
Paper and allied products	492.62	508.03	496.15	44.3	45.4	44.9	11.12	11.19	11.05
Misc. converted paper products	442.21	458.20	465.88	43.1	44.1	45.1	10.26	10.39	10.33
Paperboard containers and boxes	434.30	448.00	414.39	43.0	44.4	41.9	10.10	10.09	9.89
Printing and publishing	428.29	422.28	406.75	38.9	38.6	38.3	11.01	10.94	10.62
Newspapers	355.66	368.90	349.17	34.1	35.0	33.9	10.43	10.54	10.30
Commercial printing	435.23	408.86	401.95	40.6	39.2	39.1	10.72	10.43	10.28
Chemicals and allied products	528.35	529.61	502.94	41.8	41.8	41.6	12.64	12.67	12.09
Industrial inorganic chemicals	565.55	579.61	550.12	42.3	42.4	41.3	13.37	13.67	13.32
Rubber and misc. plastics products	436.80	441.58	431.38	42.0	42.5	41.8	10.40	10.39	10.32
Tires and inner tubes	655.96	640.59	633.25	46.0	45.4	45.2	14.26	14.11	14.01
Miscellaneous plastics products	423.61	426.89	412.93	41.9	42.1	41.5	10.11	10.14	9.95

See footnotes on page 13.

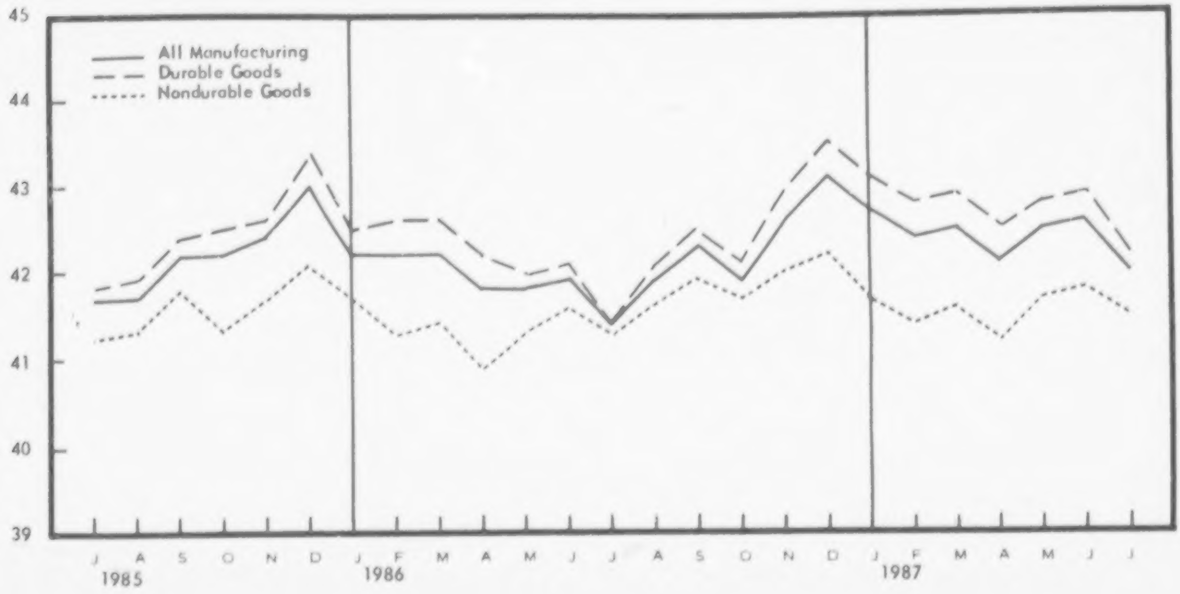
Ohio (continued)

Hours & Earnings of Production or Nonsupervisory Workers[a]

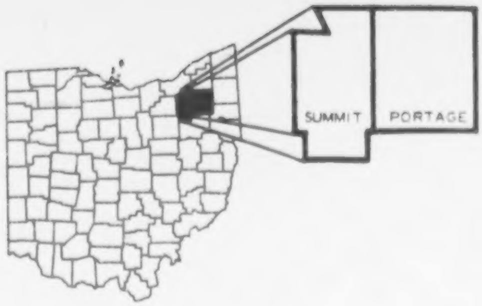
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MINING	$534.32	$519.87	$512.00	43.3	42.3	43.5	$12.34	$12.29	$11.77
Bituminous coal and lignite mining	634.12	622.80	591.14	41.5	40.6	40.6	15.28	15.34	14.56
CONSTRUCTION	570.64	560.38	559.78	39.3	38.7	37.9	14.52	14.48	14.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	568.67	555.67	543.58	41.6	41.1	41.4	13.67	13.52	13.13
Communication	559.84	547.24	541.03	41.5	40.9	41.3	13.49	13.38	13.10
Electric, gas, and sanitary services	579.63	566.22	547.87	41.7	41.3	41.6	13.90	13.71	13.17
WHOLESALE TRADE	376.44	375.14	368.68	39.5	39.2	39.6	9.53	9.57	9.31
Wholesale trade-durable goods	371.22	371.45	363.92	39.2	39.1	39.6	9.47	9.50	9.19
Wholesale trade-nondurable goods	383.84	381.79	375.65	39.9	39.4	39.5	9.62	9.69	9.51
RETAIL TRADE[h]	164.05	161.29	160.52	29.4	28.7	29.4	5.58	5.62	5.46
General merchandise stores	185.12	182.90	188.17	30.1	29.5	31.0	6.15	6.20	6.07
Department stores	191.52	188.26	193.44	30.4	29.6	31.1	6.30	6.36	6.22
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.53	258.56	247.26	....	....	....	.....	.....	.....
Credit agencies other than banks	254.82	249.79	240.40	....	....	....	.....	.....	.....
Insurance carriers	344.81	346.00	325.98	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	331.00	330.01	320.82	33.2	33.2	33.7	9.97	9.94	9.52

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



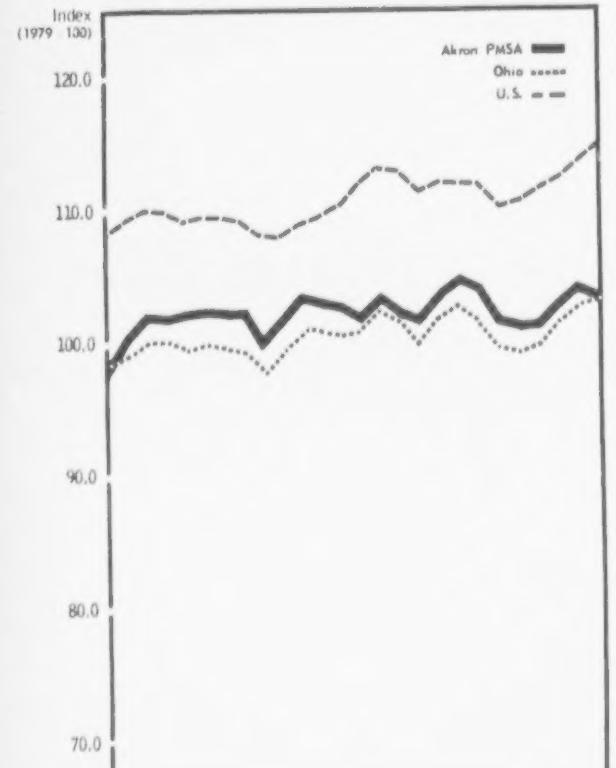
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



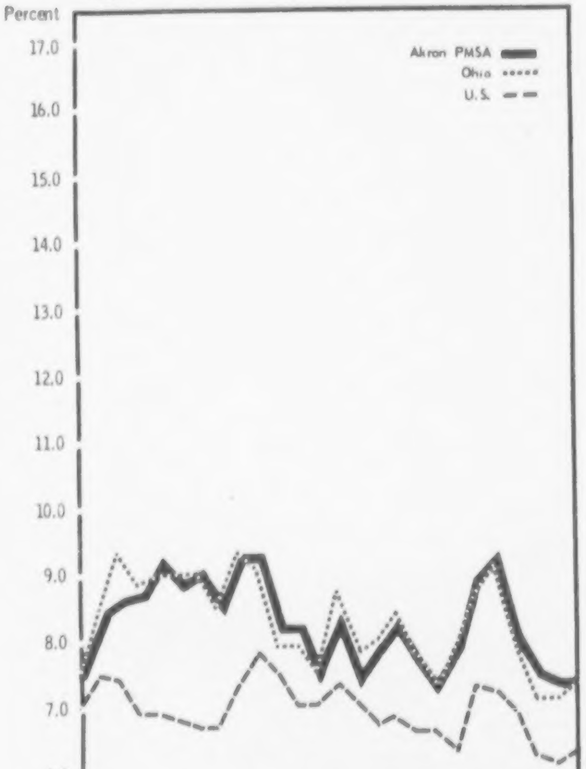
Nonagricultural wage and salary employment in the Akron area totaled 262,800 in July, unchanged from June. Employment in manufacturing declined by 500, to 64,000. Nonmanufacturing divisions registered a slight growth overall, most notably in construction and services. Manufacturing production workers put in a 42.1 hour workweek at an average hourly rate of $11.16, down one hour and $.17, respectively, from the previous month.

Since July 1986, nonfarm wage and salary employment in the Akron metropolitan area has grown by 5,200. Nonmanufacturing industries, primarily construction, retail trade, and services, provided the boost in employment. Sharp reductions in fabricated metal products, nonelectrical machinery, and rubber and miscellaneous plastics products, especially tires and inner tubes, helped lead to the loss of 2,500 manufacturing jobs.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

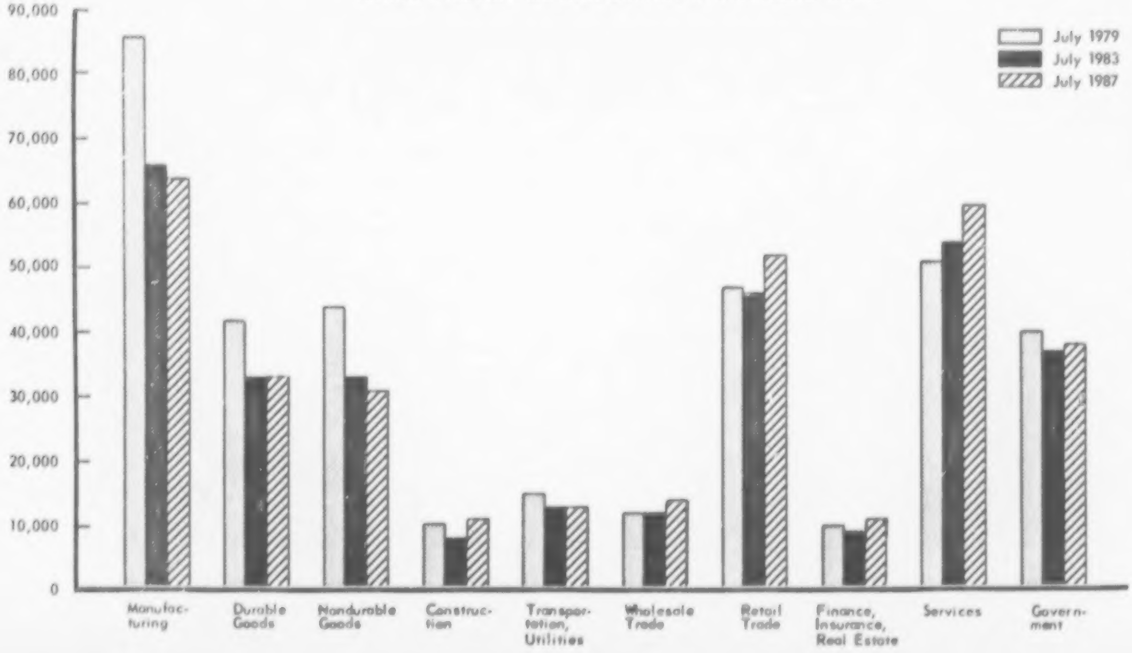


AKRON PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
318.0	291.7	26.3	8.3	June	259.8	67.5	36.6	492.12	43.9	11.21
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.6	294.5	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
INA	INA	INA	INA	July	262.8	64.0	34.7	469.84	42.1	11.16

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	262.8	262.8	257.6	.0	5.2
MANUFACTURING	64.0	64.5	66.5	-.5	-2.5
Durable Goods[e]	33.1	33.7	34.6	-.6	-1.4
Fabricated metal products	12.0	12.2	12.7	-.2	-.7
Machinery, except electrical	9.0	9.1	9.3	-.1	-.4
Metalworking machinery	2.9	3.0	3.0	.0	-.1
Nondurable Goods[f]	30.9	30.8	31.9	.1	-1.0
Food and kindred products	2.9	2.8	2.8	.1	.1
Chemicals and allied products	3.0	2.9	2.9	.0	.0
Rubber and misc. plastics products	19.3	19.3	20.7	-.1	-1.5
Tires and inner tubes	12.0	12.1	13.9	.0	-1.8
NONMANUFACTURING[g]	198.8	198.4	191.1	.4	7.7
CONSTRUCTION	11.0	10.7	9.5	.3	1.5
TRANSPORTATION AND PUBLIC UTILITIES	13.5	13.4	13.1	.1	.4
Communication, electric, gas services	5.5	5.4	5.4	.1	.1
WHOLESALE TRADE	13.8	13.8	13.5	.0	.3
RETAIL TRADE	52.1	52.3	50.3	-.2	1.9
General merchandise stores	6.5	6.5	6.4	.0	.1
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.5	10.1	.1	.5
Banking	3.2	3.2	3.2	.0	.0
SERVICES	59.5	59.2	57.0	.3	2.5
Business services	11.2	11.0	10.4	.3	.8
Amusement and recreation services	4.6	4.3	4.6	.2	.0
Health services	18.0	17.9	17.6	.1	.4
GOVERNMENT	37.6	37.9	37.0	-.3	.6
State government	10.6	10.7	10.6	-.1	-.1
State government education[i]	7.4	7.6	7.5	-.1	-.1
State government, except education	3.1	3.1	3.1	.0	.0
Local government	24.6	24.8	24.0	-.3	.5
Local government education	12.3	12.9	11.8	-.6	.5
Local government, except education	12.3	11.9	12.2	.3	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

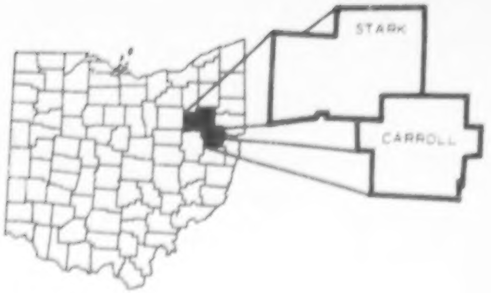
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$469.84	$488.32	$472.86	42.1	43.1	42.6	$11.16	$11.33	$11.10
Durable Goods[e]	489.60	516.12	479.52	42.5	44.0	42.7	11.52	11.73	11.23
Fabricated metal products	572.40	635.56	565.62	42.4	45.3	42.4	13.50	14.03	13.34
Machinery, except electrical	455.70	474.37	441.00	44.2	45.7	44.1	10.31	10.38	10.00
Metalworking machinery	455.91	470.32	462.07	45.5	46.2	46.3	10.02	10.18	9.98
Nondurable Goods[f]	441.38	446.84	464.10	41.6	41.8	42.5	10.61	10.69	10.92
Food and kindred products	468.06	462.93	460.06	43.5	42.2	41.9	10.76	10.97	10.98
Chemicals and allied products	478.38	454.80	449.90	42.0	40.0	40.9	11.39	11.37	11.00
Rubber and misc. plastics products	464.70	469.81	496.87	42.4	43.3	43.7	10.96	10.85	11.37
Tires and inner tubes	732.00	732.96	733.10	48.0	48.0	49.5	15.25	15.27	14.81
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	576.16	573.61	559.01	41.6	41.9	41.5	13.85	13.69	13.47
WHOLESALE TRADE	327.62	336.80	325.40	37.4	37.8	38.6	8.76	8.91	8.43
RETAIL TRADE[h]	201.72	194.91	193.08	32.8	31.9	31.6	6.15	6.11	6.11

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

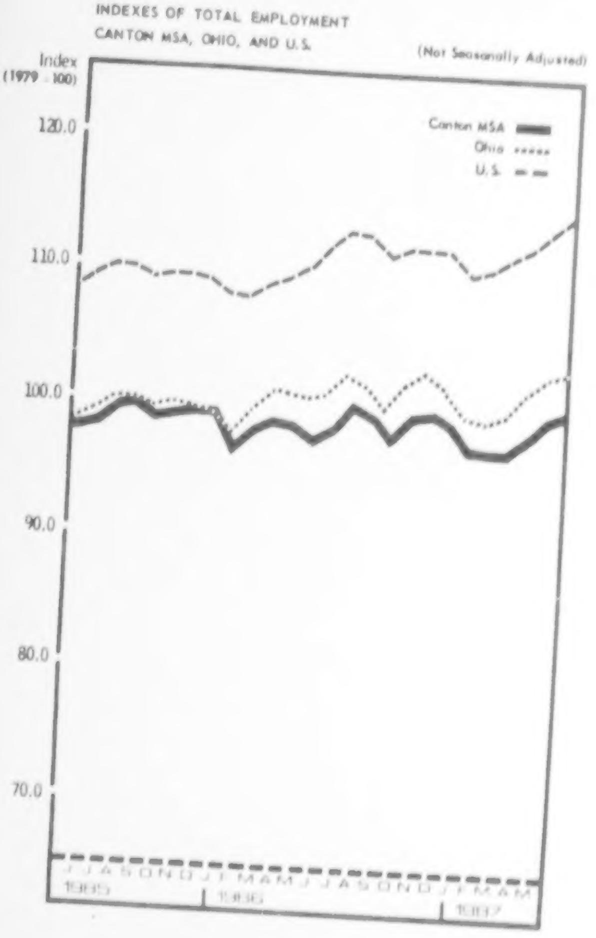
	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	3,329	3,773	4,009
Active File of Job Seekers	18,962	19,353	21,813
Referrals to Jobs	1,889	1,793	1,703
Placements	1,222	336	1,852
Job Openings Received	1,952	1,129	1,680
Job Openings Unfilled	2,895	2,473	1,298
Unemployment Insurance Program			
Initial Claims	3,602	2,871	3,515
Continued Claims	27,935	27,290	32,923
First Payments	1,393	1,192	1,208
Last Payments	563	454	510
Weeks Compensated	23,626	20,147	20,985
Benefits Paid	$3,506,875	$2,992,957	$2,946,050
Average Weekly Payment	$151.76	$152.55	$144.07

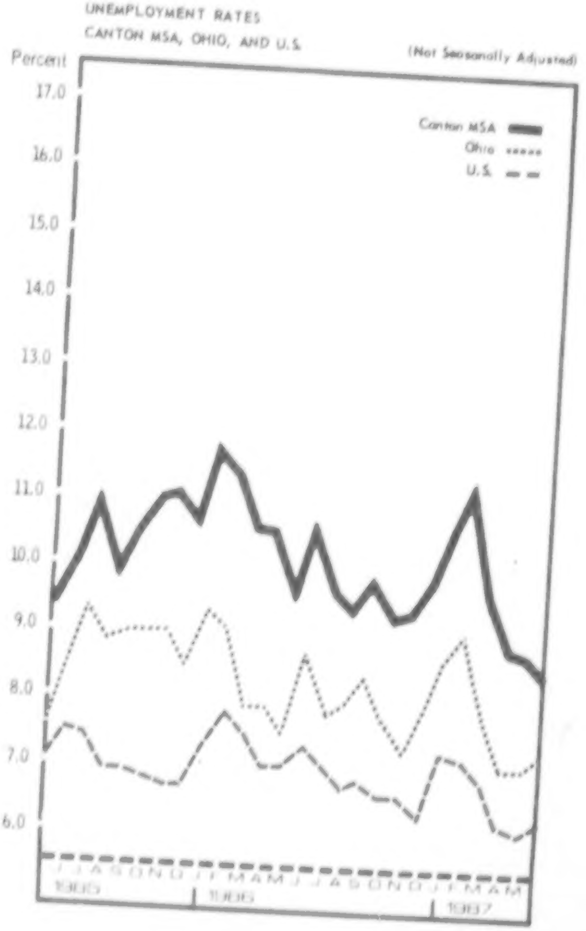
CANTON
METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment for the Canton metropolitan area totaled 154,900 in July, down 1,400 from June. Manufacturing employment fell to 41,600, due chiefly to a reduction in primary metal industries. Nonmanufacturing employment also registered a decline. The seasonal decrease in local government education nonteaching personnel offset modest gains in construction. Production workers averaged a 41.4 hour workweek, falling .8 hours from June. Their average hourly earnings rose $.02 from the previous month, to $11.38.

Nonagricultural wage and salary employment in the Canton area advanced 2,200 over the year. General improvement in most of the nonmanufacturing divisions accounted for the growth. Sizable gains in construction, retail trade, and services paced the expansion. Reductions in the primary metals and fabricated metal products industries contributed to the loss of 2,400 manufacturing jobs.



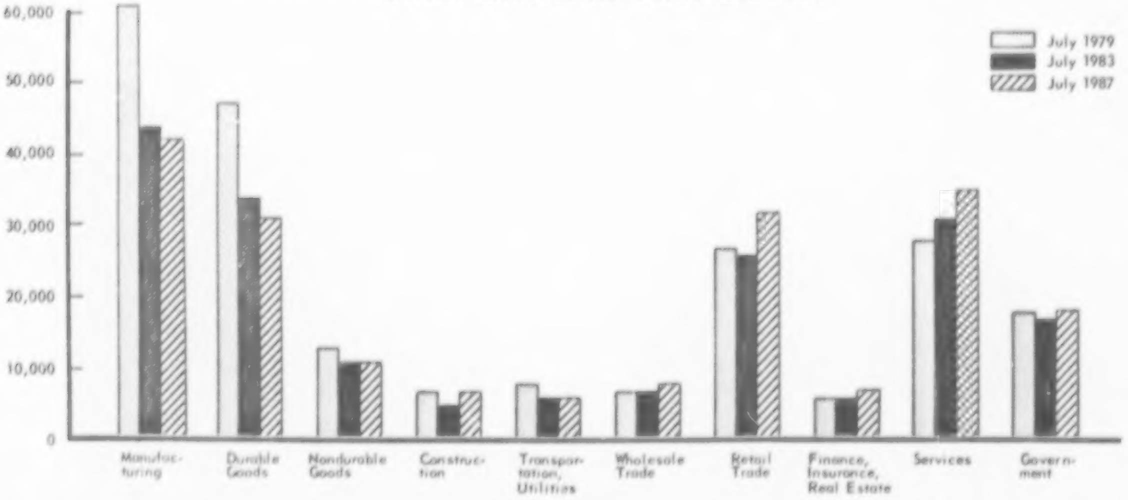


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
191.0	170.6	20.4	10.7	June	153.3	44.6	31.9	446.88	39.9	11.20
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.9	173.7	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
INA	INA	INA	INA	July	154.9	41.6	29.3	471.13	41.4	11.38

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	154.9	156.4	152.7	-1.4	2.2
MANUFACTURING	41.6	42.5	44.0	-.9	-2.4
Durable Goods[e]	30.6	31.4	32.4	-.8	-1.8
Primary metal industries	9.7	10.2	10.2	-.5	-.5
Fabricated metal products	6.2	6.2	7.0	.0	-.9
Metal forgings and stampings	2.0	2.0	2.6	.0	-.5
Nondurable Goods[f]	11.0	11.1	11.6	-.1	-.6
Food and kindred products	3.7	3.7	3.9	.0	-.2
Rubber and misc. plastics products	2.6	2.6	2.8	.0	-.3
NONMANUFACTURING[g]	113.3	113.9	108.7	-.6	4.6
CONSTRUCTION	7.0	6.7	6.0	.4	1.1
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.8	.0	.3
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.0	8.0	8.1	.0	-.1
Wholesale trade-durable goods	4.5	4.5	4.6	.0	.0
RETAIL TRADE	32.0	31.9	30.5	.1	1.5
General merchandise stores	3.8	3.8	3.7	.0	.1
Food stores	5.2	5.2	5.0	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.6	6.6	.0	.0
Banking	1.9	1.9	1.9	.1	.0
SERVICES	34.9	35.2	33.8	-.2	1.2
Health services	14.9	14.9	14.5	.0	.4
GOVERNMENT	17.6	18.4	16.9	-.8	.8
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.5	15.3	13.8	-.7	.8
Local government education	8.2	8.9	7.8	-.7	.4
Local government, except education	6.3	6.4	6.0	-.1	.3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

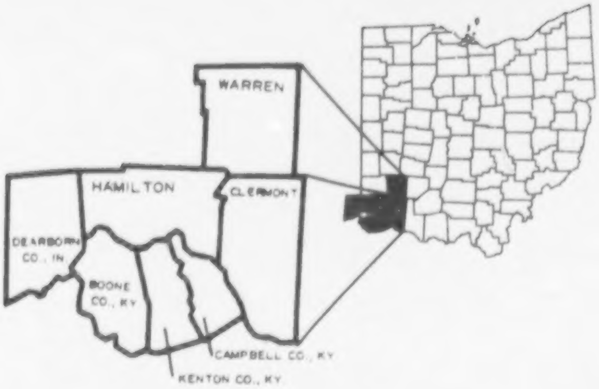
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$471.13	$479.39	$449.52	41.4	42.2	40.1	$11.38	$11.36	$11.21
Durable Goods[e]	498.46	509.44	465.96	42.1	43.1	40.1	11.84	11.82	11.62
Primary metal industries	577.15	591.30	478.30	43.2	45.0	37.9	13.36	13.14	12.62
Fabricated metal products	451.66	471.24	490.36	40.8	42.0	41.0	11.07	11.22	11.96
Metal forgings and stampings	577.60	629.42	606.62	40.0	43.2	39.7	14.44	14.57	15.28
Nondurable Goods[f]	389.86	390.46	398.80	39.3	39.6	40.0	9.92	9.86	9.97
Food and kindred products	403.60	408.24	426.22	40.0	40.5	40.4	10.09	10.08	10.55
Rubber and misc. plastics products	421.23	419.80	441.21	41.5	41.4	42.1	10.15	10.14	10.48
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	575.51	544.66	532.59	42.1	41.2	41.0	13.67	13.22	12.99
WHOLESALE TRADE	390.40	360.01	338.42	38.2	37.0	35.4	10.22	9.73	9.56
RETAIL TRADE[h]	158.12	154.37	158.26	29.5	28.8	29.2	5.36	5.36	5.42

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	1,924	1,198	2,304
Active File of Job Seekers	12,268	12,783	20,178
Referrals to Jobs	1,583	831	1,313
Placements	808	282	427
Job Openings Received	652	517	714
Job Openings Unfilled	739	1,285	544
Unemployment Insurance Program			
Initial Claims	2,550	2,211	3,346
Continued Claims	18,326	18,505	23,532
First Payments	769	713	910
Last Payments	393	337	418
Weeks Compensated	13,313	13,015	17,255
Benefits Paid	$1,855,245	$1,824,886	$2,330,774
Average Weekly Payment	$143.54	$144.99	$139.05

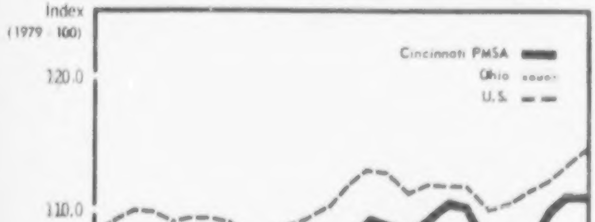
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



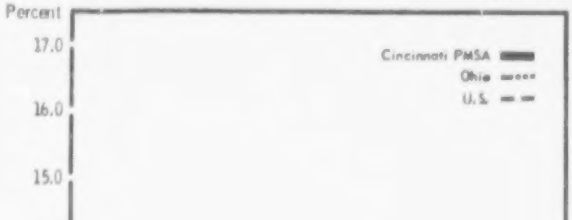
Nonfarm wage and salary employment in the Cincinnati metropolitan area was 681,900 in July, up 2,700 from June. Nonmanufacturing employemnt decreased 1,300, as growth in services, especially business services, construction, and retail trade was unable to offset the seasonal reductions in nonteaching personnel in state and local schools and colleges. Manufacturing employment, at 149,300, was up 4,000 from June, due to returns from temporary layoffs in motor vehicles and equipment. Factory production workers earned an average of $10.86 per hour, down $.04 from June. Their average workweek was 41.9 hours, down .9 hours.

Since July 1986, nonfarm employment has risen 29,300. Although all nonmanufacturing industries recorded gains, services, especially business and health services, and retail trade had the most noteworthy growth. Manufacturing employment increased 1,800, with gains in transportation equipment, paper and allied products and other nondurable-goods industries, offsetting losses in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

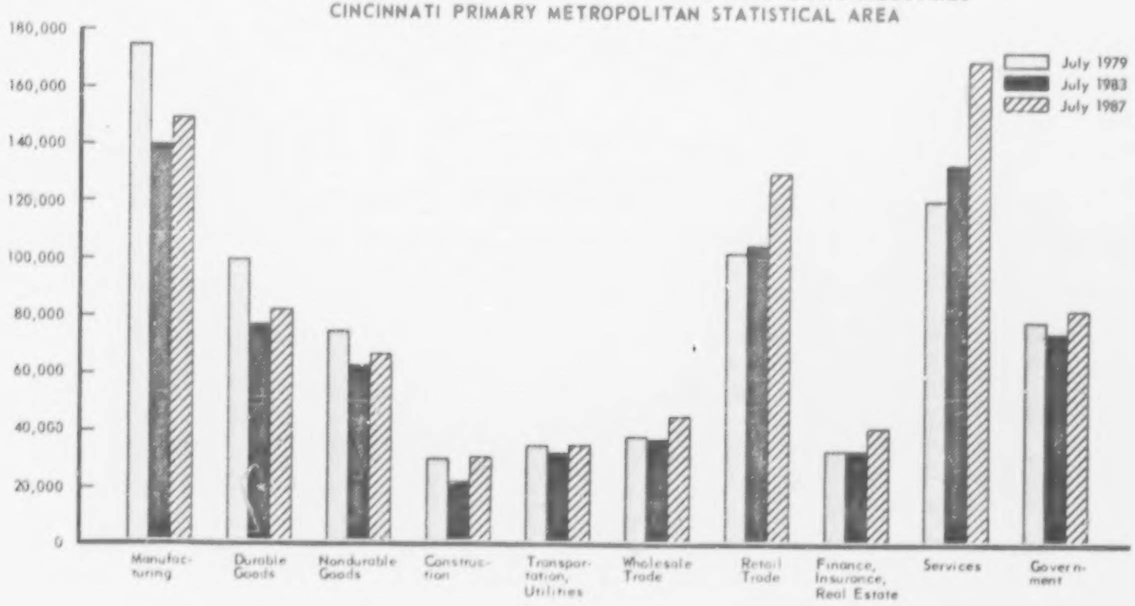


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
730.2	679.4	50.8	7.0	June	654.5	147.9	95.5	443.69	41.7	10.64
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
748.6	698.2	50.4	6.7	June	679.2	145.4	92.6	466.52	42.8	10.90
INA	INA	INA	INA	July	681.9	149.3	96.0	455.03	41.9	10.86

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	681.9	679.2	652.6	2.7-	29.3
MANUFACTURING	149.3	145.4	147.5	4.0	1.8
Durable Goods[e]	82.3	78.9	82.0	3.4	.3
Fabricated metal products	11.1	11.1	10.5	-.1	.6
Fabricated structural metal products	4.3	4.4	3.9	.0	.4
Machinery, except electrical	19.6	19.7	21.0	-.1	-1.4
Metalworking machinery	8.0	8.0	8.9	-.1	-.9
General industrial machinery	2.6	2.7	3.0	.0	-.3
Electric and electronic equipment	7.4	7.4	7.6	.1	-.1
Transportation equipment	28.9	25.4	28.3	3.5	.6
Motor vehicles and equipment	8.2	4.8	8.6	3.4	-.4
Nondurable Goods[f]	67.1	66.5	65.5	.6	1.5
Food and kindred products	13.4	13.0	13.1	.4	.3
Beverages	3.9	3.8	4.1	.1	-.2
Apparel and other textile products	3.7	3.6	3.3	.1	.4
Paper and allied products	6.8	6.8	6.2	.0	.6
Printing and publishing	13.4	13.3	13.0	.1	.3
Commercial printing	5.9	5.9	5.5	.1	.4
Chemicals and allied products	22.4	22.3	22.1	.1	.3
Rubber and misc. plastics products	5.4	5.5	5.3	-.1	.1
NONMANUFACTURING[g]	532.6	533.8	505.0	-1.3	27.6
CONSTRUCTION	30.7	29.7	27.7	1.0	3.0
TRANSPORTATION AND PUBLIC UTILITIES	34.8	34.8	34.5	-.1	.3
Trucking and warehousing	9.6	9.5	9.5	.1	.0
Communication, electric, gas services	15.4	15.3	15.5	.1	-.1
WHOLESALE TRADE	45.1	45.1	43.1	.0	2.0
Wholesale trade-durable goods	27.2	27.0	25.8	.1	1.4
RETAIL TRADE	129.8	129.0	123.2	.8	6.5
General merchandise stores	19.1	19.0	18.3	.1	.7
FINANCE, INSURANCE, AND REAL ESTATE	40.8	40.4	38.4	.3	2.4
Banking	8.6	8.5	8.2	.1	.4
Insurance carriers	13.2	13.2	12.5	.0	.7
SERVICES	169.5	167.9	158.5	1.6	11.0
Hotels and other lodging places	6.9	6.9	6.7	.0	.3
Personal services	8.2	8.3	8.0	-.1	.2
Business services	40.0	38.7	36.0	1.4	4.0
Amusement and recreation services	11.2	11.1	11.0	.1	.2
Health services	52.5	51.9	48.9	.6	3.6
Hospitals	25.2	25.0	23.5	.2	1.7
GOVERNMENT	81.6	86.6	79.3	-5.0	2.3
Federal government	14.0	14.2	13.8	-.1	.2
State government	18.0	19.4	17.7	-1.4	.3
State government education[i]	9.7	11.3	9.6	-1.6	.1
State government, except education	8.3	8.1	8.1	.2	.2
Local government	49.6	53.0	47.8	-3.4	1.8
Local government education	26.7	30.6	25.2	-3.9	1.5
Local government, except education	22.9	22.3	22.6	.5	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$455.03	$466.52	$444.94	41.9	42.8	41.7	$10.86	$10.90	$10.67
Durable Goods[e]	441.74	460.75	445.71	41.4	42.9	41.5	10.67	10.74	10.74
Fabricated metal products	429.12	424.76	408.21	44.7	44.2	42.7	9.60	9.61	9.56
Fabricated structural metal products .	450.22	430.39	472.06	46.8	44.6	46.6	9.62	9.65	10.13
Machinery, except electrical	403.91	411.01	411.27	41.3	41.6	41.5	9.78	9.88	9.91
Metalworking machinery	419.23	466.04	449.90	39.7	42.6	41.2	10.56	10.94	10.92
General industrial machinery	402.48	383.98	382.53	43.0	41.2	41.0	9.36	9.32	9.33
Electric and electronic equipment	337.75	339.39	340.89	38.6	39.1	39.5	8.75	8.68	8.63
Transportation equipment	586.05	688.02	619.99	41.3	46.9	43.6	14.19	14.67	14.22
Motor vehicles and equipment	587.52	840.13	605.21	38.2	51.7	40.7	15.38	16.25	14.87
Nondurable Goods[f]	468.94	471.84	443.72	42.4	42.7	41.9	11.06	11.05	10.59
Food and kindred products	488.05	512.06	487.51	43.0	44.8	44.4	11.35	11.43	10.98
Beverages	527.93	532.95	538.90	42.1	42.5	44.1	12.54	12.54	12.22
Apparel and other textile products	203.86	208.51	197.81	36.6	37.3	35.9	5.57	5.59	5.51
Paper and allied products	429.68	437.91	406.96	42.5	43.4	40.9	10.11	10.09	9.95
Printing and publishing	469.86	458.69	441.39	41.0	40.7	39.2	11.46	11.27	11.26
Commercial printing	536.90	497.64	490.81	45.5	43.5	41.7	11.80	11.44	11.77
Chemicals and allied products	548.66	542.73	509.72	43.1	42.5	42.3	12.73	12.77	12.05
Rubber and misc. plastics products	436.97	459.73	421.35	45.9	47.2	46.1	9.52	9.74	9.14
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services ..	553.79	528.15	527.12	40.9	39.8	40.3	13.54	13.27	13.08
WHOLESALE TRADE	389.78	389.91	391.52	40.9	40.7	41.3	9.53	9.58	9.48
RETAIL TRADE[h]	166.84	166.11	163.90	29.9	29.4	29.8	5.58	5.65	5.50
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	255.89	259.34	254.18	....	....	....	.....	.....	.....

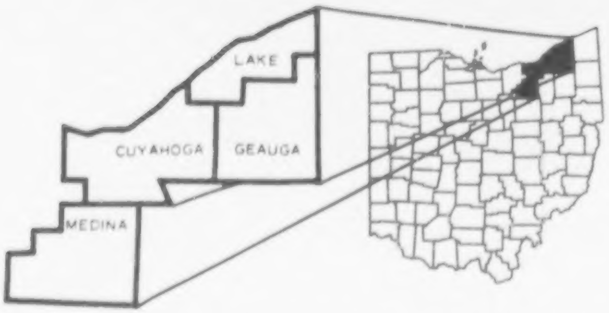
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	3,112	2,899	4,574
Active File of Job Seekers	20,103	18,603	27,362
Referrals to Jobs	2,035	2,910	2,556
Placements	430	723	560
Job Openings Received	1,425	1,313	1,449
Job Openings Unfilled	3,264	3,011	1,825
Unemployment Insurance Program			
Initial Claims	6,360	7,061	5,184
Continued Claims	42,218	38,338	44,698
First Payments	2,606	1,438	2,007
Last Payments	900	756	911
Weeks Compensated	35,401	29,405	33,595
Benefits Paid	$5,216,113	$4,306,483	$4,751,523
Average Weekly Payment	$150.10	$149.23	$143.98

[a] Ohio data only.

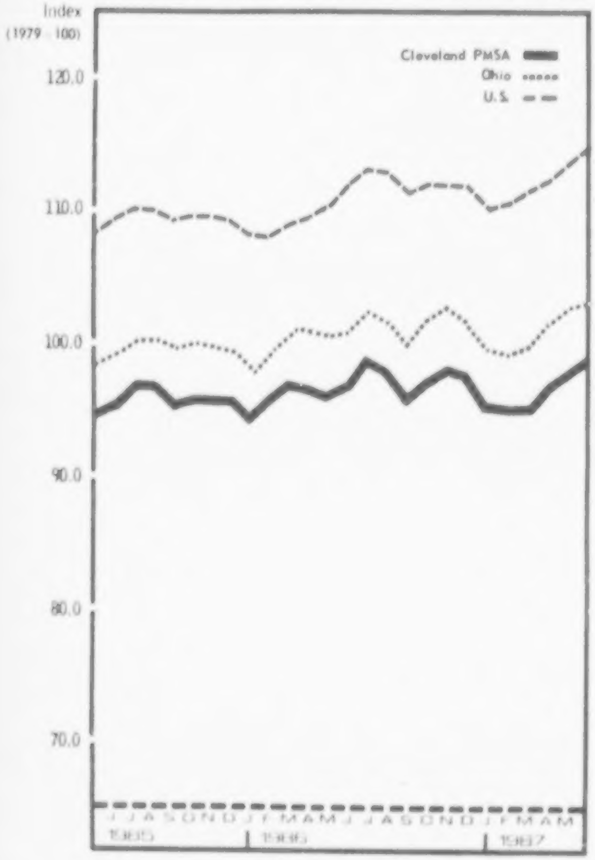
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



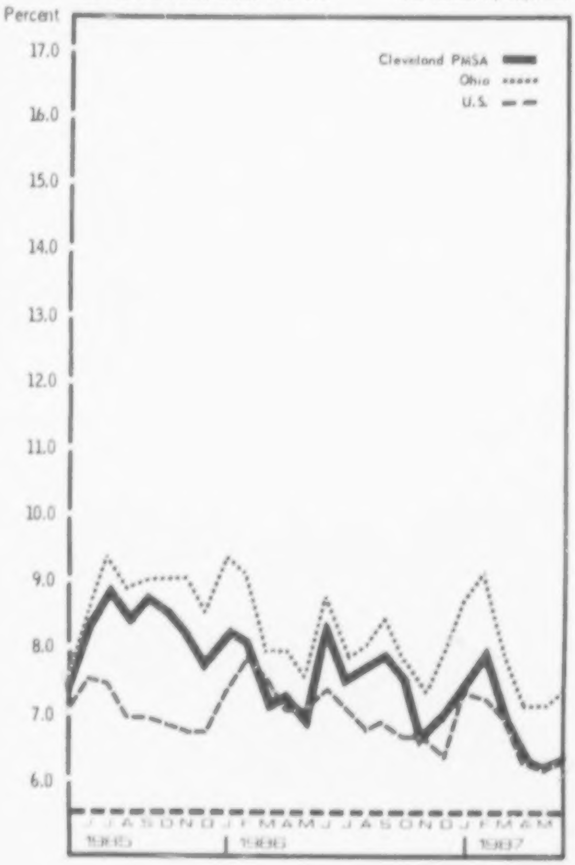
Nonfarm payroll employment in the Cleveland metropolitan area advanced 3,300 from June 1987, to 911,300 in July. Nonmanufacturing accounted for the gain, due to summer programs in local government and a seasonal pickup in construction. Factory employment declined 1,000, to 203,200, with much of the loss scattered among durable-goods industries. The average factory workweek in July, at 41.8 hours, was 1.1 hours shorter. Production workers grossed $11.42 per hour, $.10 below their June average.

Nonagricultural wage and salary employment increased 21,700 from July 1986 to July 1987. Significant changes in services, especially in business and health services, retail trade, and finance, insurance, and real estate, boosted employment in nonmanufacturing by 23,200. Factory employment declined 1,500 over the year. Scattered improvements in nondurable-goods industries were more than offset by losses in durable goods, especially in instruments and related products, nonelectrical machinery, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

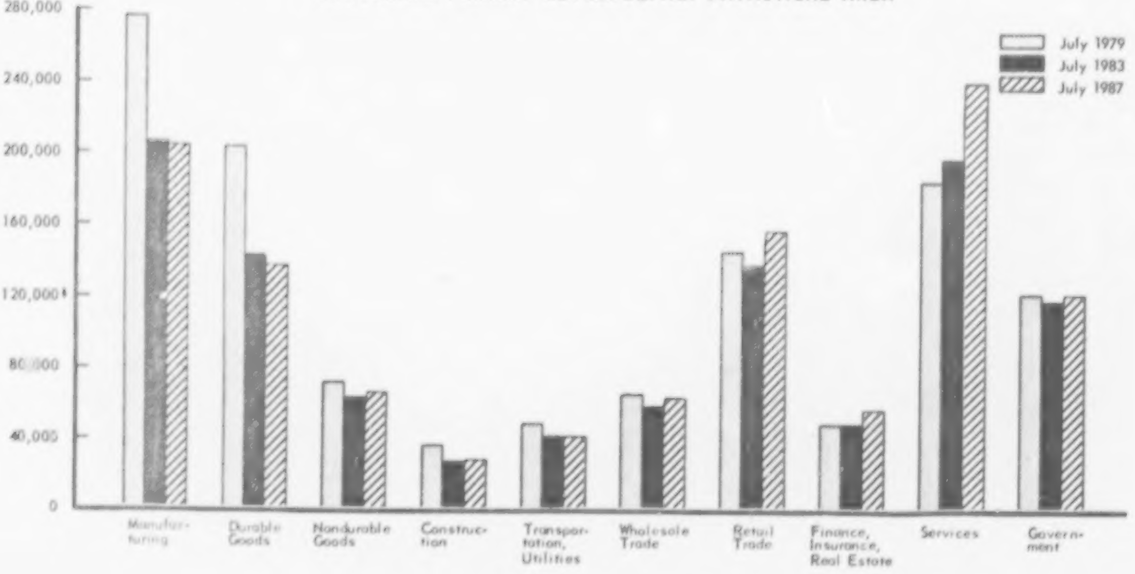


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
944.5	865.6	78.9	8.4	June	890.8	207.4	133.4	480.36	42.1	11.41
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
938.2	878.7	59.4	6.3	June	908.0	204.2	130.5	494.21	42.9	11.52
INA	INA	INA	INA	July	911.3	203.2	129.3	477.36	41.8	11.42

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	911.3	908.0	889.6	3.3	21.7
MANUFACTURING	203.2	204.2	204.7	- 1.0	- 1.5
Durable Goods[e]	137.4	138.2	140.2	- .8	- 2.8
Primary metal industries	20.8	21.0	21.0	- .2	- .2
Iron and steel foundries	5.3	5.3	5.4	.0	- .2
Fabricated metal products	32.5	32.7	32.0	- .2	.6
Fabricated structural metal products	3.8	3.7	3.9	.1	- .1
Screw machine products, bolts, etc.	4.7	4.8	4.5	- .1	.2
Metal forgings and stampings	11.2	11.4	10.6	- .2	.6
Machinery, except electrical	29.9	29.9	30.8	.0	- 1.0
Construction and related machinery	2.5	2.5	2.5	.0	.0
Metalworking machinery	9.8	9.8	10.2	.0	- .4
Special industry machinery	3.2	3.2	3.4	.0	- .2
General industrial machinery	2.7	2.7	2.9	- .1	- .3
Electric and electronic equipment	18.6	18.5	19.4	.2	- .7
Electrical industrial apparatus	6.3	6.4	6.8	- .1	- .5
Transportation equipment	18.8	19.2	19.2	- .3	- .4
Motor vehicles and equipment	11.6	12.0	11.9	- .4	- .3
Instruments and related products	6.2	6.3	7.6	- .1	- 1.4
Measuring and controlling devices	4.1	4.1	4.3	.0	- .2
Nondurable Goods[f]	65.8	66.0	64.5	- .2	1.3
Food and kindred products	6.9	7.0	6.7	.0	.2
Apparel and other textile products	4.2	4.3	4.3	- .1	- .1
Paper and allied products	5.5	5.6	5.3	.0	.3
Printing and publishing	17.0	16.9	16.7	.1	.3
Chemicals and allied products	15.1	15.1	14.8	.0	.4
Rubber and misc. plastics products	11.8	12.0	11.4	- .2	.4
NONMANUFACTURING[g]	708.1	703.8	684.9	4.3	23.2
CONSTRUCTION	29.1	28.0	28.0	1.1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	41.8	41.8	41.3	.0	.5
Trucking and warehousing	12.2	12.1	11.2	.1	1.0
Communication, electric, gas services	18.4	18.3	18.8	.1	- .4
WHOLESALE TRADE	62.6	62.6	62.4	.0	.2
Wholesale trade-durable goods	43.1	43.2	43.4	- .1	- .3
RETAIL TRADE	157.1	156.7	152.7	.4	4.4
General merchandise stores	20.0	20.0	19.9	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	55.5	55.1	52.9	.4	2.6
Banking	13.7	13.5	13.2	.2	.5
Credit agencies other than banks	9.2	9.2	8.8	.0	.5
Insurance carriers	13.3	13.2	12.8	.1	.6
SERVICES	239.5	239.9	226.0	- .3	13.6
Business services	54.9	54.3	50.0	.5	4.9
Amusement and recreation services	10.2	9.8	10.1	.4	.0
Health services	75.9	75.4	72.3	.5	3.5
Hospitals	43.8	43.6	41.2	.2	2.6
GOVERNMENT	121.5	118.9	120.3	2.6	1.2
Federal government	20.6	20.6	20.2	.0	.4
State government	8.3	8.6	8.0	- .3	.2
State government education[i]	2.8	3.2	2.6	- .4	.2
State government, except education	5.4	5.4	5.4	.1	.1
Local government	92.7	89.7	92.1	3.0	.6
Local government education	42.4	42.2	42.1	.2	.3
Local government, except education	50.3	47.5	50.0	2.8	.3

Cleveland PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

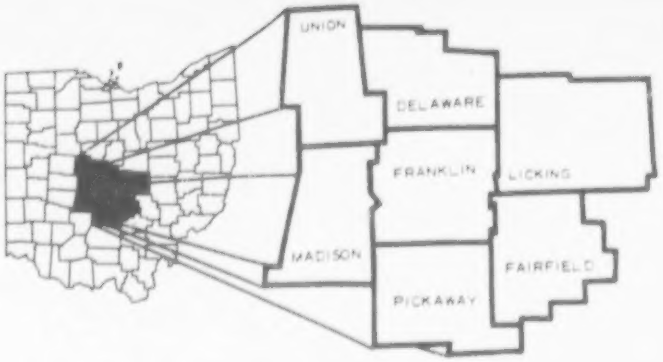
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$477.36	$494.21	$456.75	41.8	42.9	40.6	$11.42	$11.52	$11.25
Durable Goods[e]	505.98	527.56	479.85	42.2	43.6	40.7	11.99	12.10	11.79
Primary metal industries	570.29	609.22	520.08	43.6	45.6	39.4	13.08	13.36	13.20
Iron and steel foundries	688.97	858.11	677.81	42.9	51.2	43.2	16.06	16.76	15.69
Fabricated metal products	475.45	530.52	465.85	41.2	44.1	40.9	11.54	12.03	11.39
Fabricated structural metal products	401.28	409.28	377.17	41.8	42.5	40.6	9.60	9.63	9.29
Screw machine products, bolts, etc.	434.92	470.24	429.42	41.9	44.7	42.1	10.38	10.52	10.20
Metal forgings and stampings	569.25	683.28	604.21	41.4	46.8	42.7	13.75	14.60	14.15
Machinery, except electrical	493.19	483.51	445.54	42.7	42.6	40.8	11.55	11.35	10.92
Construction and related machinery	382.80	420.89	435.46	43.5	46.1	44.8	8.80	9.13	9.72
Metalworking machinery	417.96	424.15	409.85	40.5	41.1	40.3	10.32	10.32	10.17
Special industry machinery	455.56	460.08	488.42	37.9	38.5	40.6	12.02	11.95	12.03
General industrial machinery	505.46	487.99	485.18	44.3	43.3	44.8	11.41	11.27	10.83
Electric and electronic equipment	436.85	428.33	412.78	40.3	40.6	39.2	10.84	10.55	10.53
Electrical industrial apparatus	477.57	481.20	423.54	41.6	42.1	39.0	11.48	11.43	10.86
Transportation equipment	652.96	671.35	645.18	44.0	45.3	44.1	14.84	14.82	14.63
Motor vehicles and equipment	680.40	704.70	660.53	43.2	45.0	43.2	15.75	15.66	15.29
Instruments and related products	383.25	399.90	390.51	40.3	41.7	40.3	9.51	9.59	9.69
Measuring and controlling devices	395.01	405.14	390.05	39.9	40.8	40.8	9.90	9.93	9.56
Nondurable Goods[f]	412.46	415.48	402.17	41.0	41.3	40.5	10.06	10.06	9.93
Food and kindred products	374.50	369.18	390.85	42.8	42.0	42.3	8.75	8.79	9.24
Apparel and other textile products	308.80	307.26	310.01	38.6	38.6	38.8	8.00	7.96	7.99
Paper and allied products	473.37	503.78	457.30	42.8	44.9	42.5	11.06	11.22	10.76
Printing and publishing	413.26	407.59	400.68	38.3	38.2	37.1	10.79	10.67	10.80
Chemicals and allied products	497.08	495.50	480.24	43.3	42.9	42.2	11.48	11.55	11.38
Rubber and misc. plastics products	374.51	388.45	355.52	41.2	42.5	41.1	9.09	9.14	8.65
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	597.70	585.48	570.99	42.3	42.0	41.8	14.13	13.94	13.66
WHOLESALE TRADE	403.57	405.16	388.23	39.8	39.8	39.9	10.14	10.18	9.73
RETAIL TRADE[h]	188.45	185.61	180.09	29.4	28.6	29.0	6.41	6.49	6.21
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	296.86	296.37	293.74	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	343.53	342.55	333.00	32.5	32.5	33.2	10.57	10.54	10.03

See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

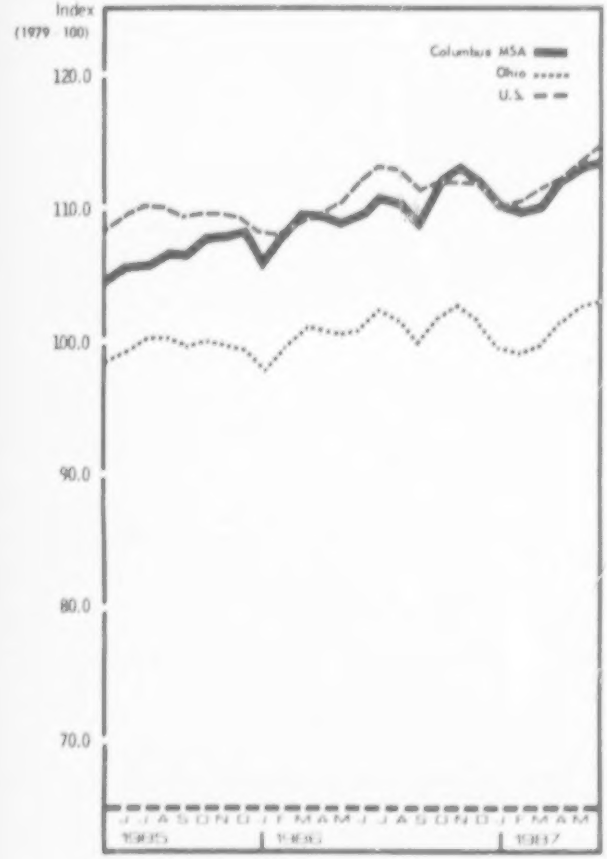
	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	7,277	6,529	7,988
Active File of Job Seekers	61,401	64,129	108,834
Referrals to Jobs	2,590	2,605	4,620
Placements	702	718	1,335
Job Openings Received	1,547	1,379	1,876
Job Openings Unfilled	2,251	2,069	3,055
Unemployment Insurance Program			
Initial Claims	9,630	6,695	9,297
Continued Claims	64,970	58,939	80,701
First Payments	3,425	2,521	3,884
Last Payments	1,202	1,056	1,494
Weeks Compensated	50,624	45,455	61,802
Benefits Paid	$7,222,711	$6,581,097	$9,205,276
Average Weekly Payment	$145.02	$147.56	$151.26

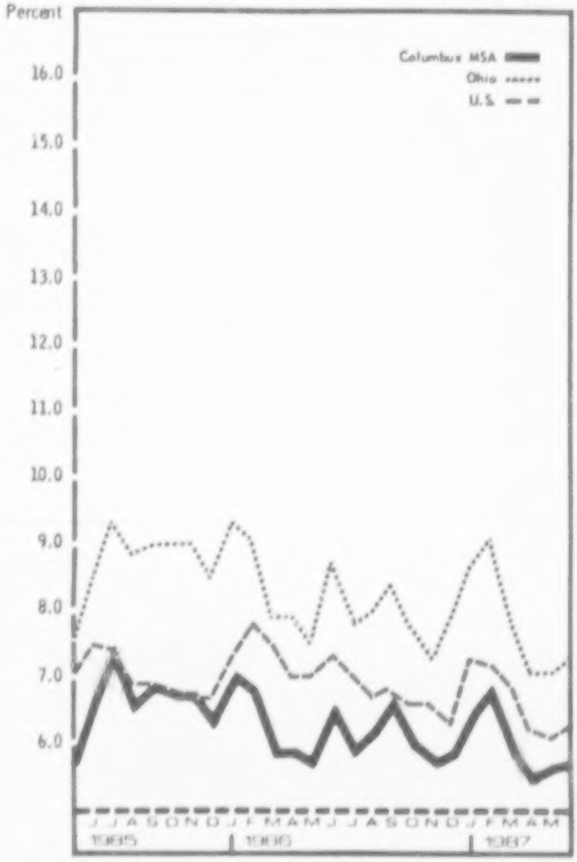
COLUMBUS
METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Columbus area was 653,200 in July, down 7,700 from June. Growth in construction, services, and finance, insurance, and real estate was overshadowed by the sharp decline in nonteaching personnel in state and local schools and colleges. Manufacturing employment, at 101,900, was 1,300 below the June level, due to losses in stone, clay, and glass products, transportation equipment, and other durable-goods industries. Factory production workers earned an average of $11.47 per hour, up $.07 from June. Their average workweek was little changed, at 41.4 hours.

Since July 1986, nonfarm employment increased 25,200. Although most nonmanufacturing industries showed gains, significant growth was noted in services, retail trade, government, and construction. Manufacturing lost 4,200 workers over the year, with significant declines in transportation equipment, stone, clay, and glass products, and fabricated metal products. Gains were noted in several nondurable-goods industries.


INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

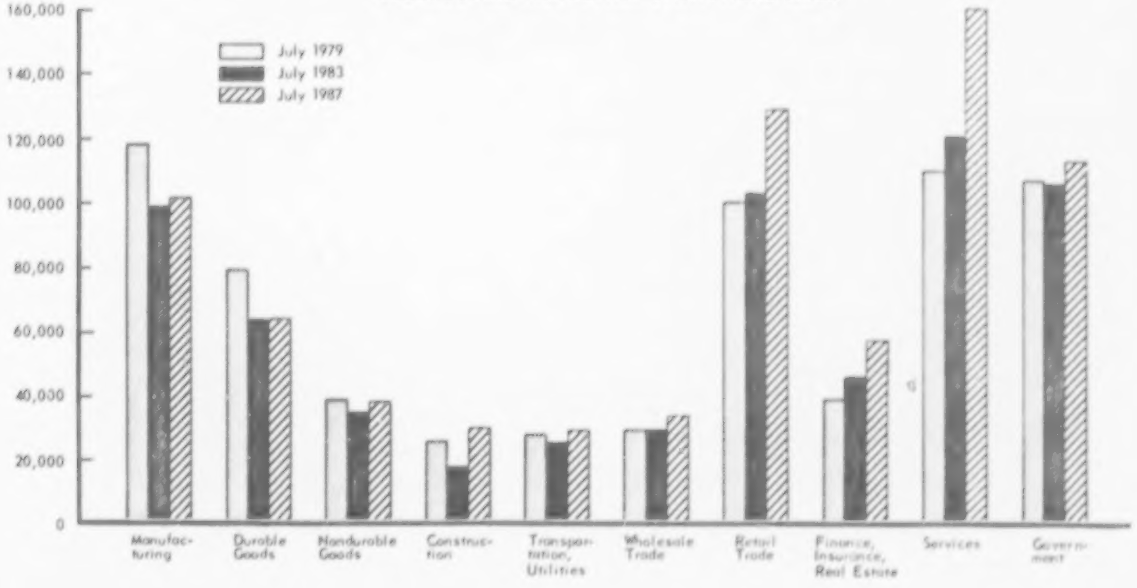

UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
676.8	632.7	44.1	6.5	June	634.1	106.2	70.7	460.43	41.0	11.23
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.26
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
695.6	656.0	39.6	5.7	June	661.0	103.1	68.2	473.10	41.5	11.40
INA	INA	INA	INA	July	653.2	101.9	66.9	474.86	41.4	11.47

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	653.2	661.0	628.0	-7.7	25.2
MANUFACTURING	101.9	103.1	106.1	-1.3	-4.2
Durable Goods[e]	64.3	65.8	69.8	-1.5	-5.5
Stone, clay, and glass products	9.8	10.6	11.4	-.8	-1.7
Glass and glassware, pressed or blown	3.7	4.5	4.1	-.8	-.5
Fabricated metal products	8.7	8.9	9.9	-.2	-1.2
Fabricated structural metal products	2.7	2.8	3.1	.0	-.3
Machinery, except electrical	9.4	9.5	9.5	-.1	-.1
Electric and electronic equipment	10.8	10.8	11.3	.0	-.5
Transportation equipment	14.2	14.5	16.3	-.3	-2.1
Instruments and related products	4.1	4.2	4.0	-.1	.1
Nondurable Goods[f]	37.5	37.3	36.2	.2	1.3
Food and kindred products	10.5	10.4	10.1	.1	.5
Printing and publishing	9.8	9.8	9.5	.0	.3
Chemicals and allied products	7.2	7.1	7.1	.1	.1
Rubber and misc. plastics products	5.5	5.5	5.2	.0	.3
NONMANUFACTURING[g]	551.4	557.8	522.0	-6.5	29.4
CONSTRUCTION	29.6	28.3	26.1	1.3	3.4
TRANSPORTATION AND PUBLIC UTILITIES	29.1	28.9	27.5	.2	1.6
Trucking and warehousing	11.7	11.5	10.7	.2	.9
Communication, electric, gas services	12.4	12.3	12.2	.0	.2
WHOLESALE TRADE	33.2	32.9	32.2	.2	.9
Wholesale trade-durable goods	21.6	21.5	21.1	.2	.5
RETAIL TRADE	129.0	129.0	123.5	.0	5.5
General merchandise stores	17.3	17.2	17.1	.2	.2
FINANCE, INSURANCE, AND REAL ESTATE	57.0	56.4	54.8	.6	2.3
Banking	11.9	11.8	11.5	.1	.4
Insurance carriers	21.7	21.5	21.2	.2	.5
SERVICES	159.9	159.0	147.7	.9	12.2
Business services	37.1	36.5	33.0	.7	4.1
Health services	40.8	40.2	38.7	.6	2.1
Hospitals	17.6	17.3	16.6	.3	1.0
GOVERNMENT	112.8	122.4	109.3	-9.6	3.5
Federal government	15.7	15.6	15.6	.1	.0
State government	48.1	54.5	46.8	-6.5	1.2
State government education[i]	17.4	23.8	16.9	-6.4	.4
State government, except education	30.7	30.7	29.9	-.1	.8
Local government	49.0	52.2	46.8	-3.2	2.2
Local government education	27.2	31.0	25.3	-3.7	1.9
Local government, except education	21.8	21.2	21.5	.6	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

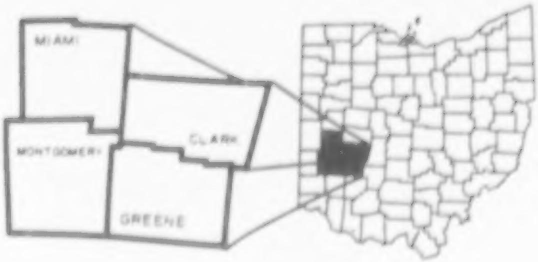
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$474.86	$473.10	$458.18	41.4	41.5	40.8	$11.47	$11.40	$11.23
Durable Goods[e]	485.62	482.65	467.57	41.4	41.5	40.8	11.73	11.63	11.46
Stone, clay, and glass products	484.92	476.89	487.22	41.2	40.9	40.1	11.77	11.66	12.15
Glass and glassware, pressed or blown	432.90	407.90	452.76	39.0	38.3	39.2	11.10	10.65	11.55
Fabricated metal products	496.95	501.02	478.76	40.7	41.0	40.3	12.21	12.22	11.88
Fabricated structural metal products	473.61	464.53	436.16	42.4	42.5	42.1	11.17	10.93	10.36
Machinery, except electrical	447.79	466.34	402.48	41.5	43.1	38.7	10.79	10.82	10.40
Electric and electronic equipment	451.53	458.21	433.92	40.1	40.3	39.7	11.26	11.37	10.93
Transportation equipment	588.01	566.71	547.23	43.3	42.9	43.5	13.58	13.21	12.58
Instruments and related products	447.10	434.72	404.26	42.5	41.8	41.0	10.52	10.40	9.86
Nondurable Goods[f]	454.84	454.01	434.42	41.5	41.5	40.6	10.96	10.94	10.70
Food and kindred products	487.29	469.79	449.70	43.9	43.1	41.6	11.10	10.90	10.81
Printing and publishing	516.40	515.48	503.94	39.3	39.2	39.9	13.14	13.15	12.63
Chemicals and allied products	503.66	509.39	497.70	40.1	40.3	41.2	12.56	12.64	12.08
Rubber and misc. plastics products	338.25	349.44	341.52	41.0	42.0	41.7	8.25	8.32	8.19
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	575.33	569.66	572.14	41.6	41.4	42.1	13.83	13.76	13.59
WHOLESALE TRADE	344.51	346.56	327.85	37.9	38.0	38.3	9.09	9.12	8.56
RETAIL TRADE[h]	176.68	174.71	169.07	29.3	28.5	28.9	6.03	6.13	5.85
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	259.23	258.76	240.89	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	328.04	322.56	329.24	34.1	33.6	35.1	9.62	9.60	9.38

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

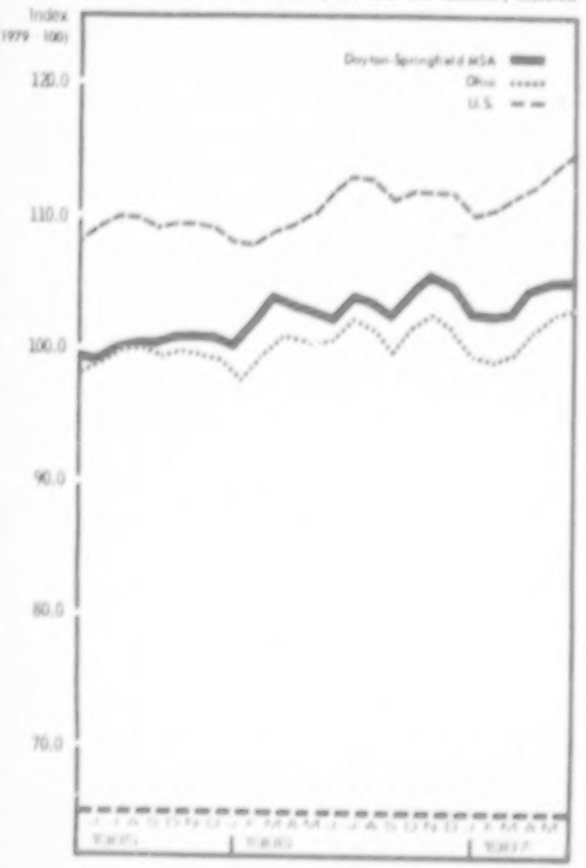
	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	5,370	5,023	6,625
Active File of Job Seekers	30,812	33,450	39,793
Referrals to Jobs	2,706	2,408	2,917
Placements	1,213	1,080	630
Job Openings Received	2,362	1,945	2,176
Job Openings Unfilled	4,264	4,497	5,921
Unemployment Insurance Program			
Initial Claims	6,317	4,726	5,397
Continued Claims	41,159	36,317	40,884
First Payments	2,149	1,710	2,225
Last Payments	752	673	857
Weeks Compensated	35,144	29,385	32,845
Benefits Paid	$5,337,421	$4,460,797	$4,691,540
Average Weekly Payment	$155.08	$155.20	$145.56

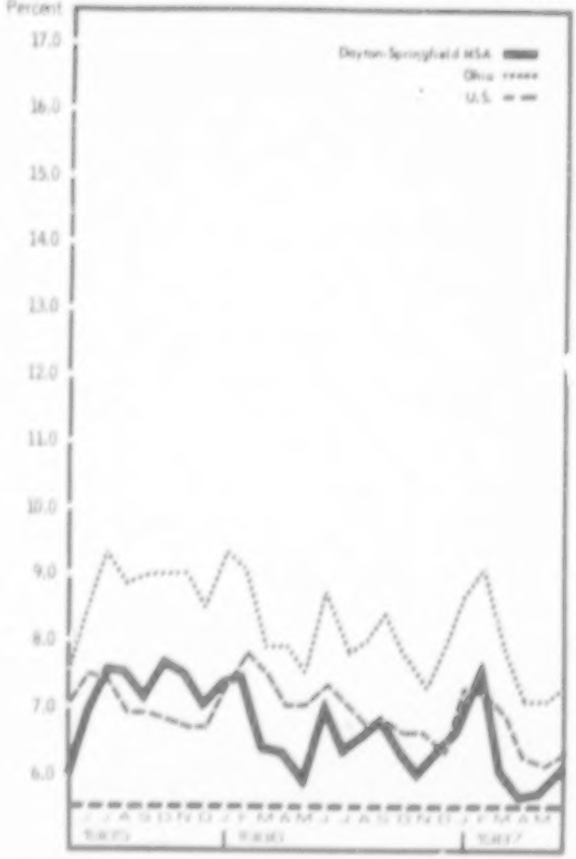
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Dayton-Springfield metropolitan area totaled 428,700 in July, a decrease of 4,800 from June. Nonmanufacturing employment decreased 4,200, to 324,600, with seasonal losses in local government schools. Manufacturing employment declined 600, to 104,100 in July. Average earnings of factory production workers were $11.89 an hour, little changed from June. Their average workweek, at 41.6 hours, was down .6 hours from June.

Since July 1986, nonfarm employment rose 11,200. This improvement occurred in nonmanufacturing with the largest gains in services, especially business services, construction, and retail trade. Manufacturing lost 2,100 workers over the year due to notable declines in durable goods, particularly nonelectrical machinery and transportation equipment.


INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

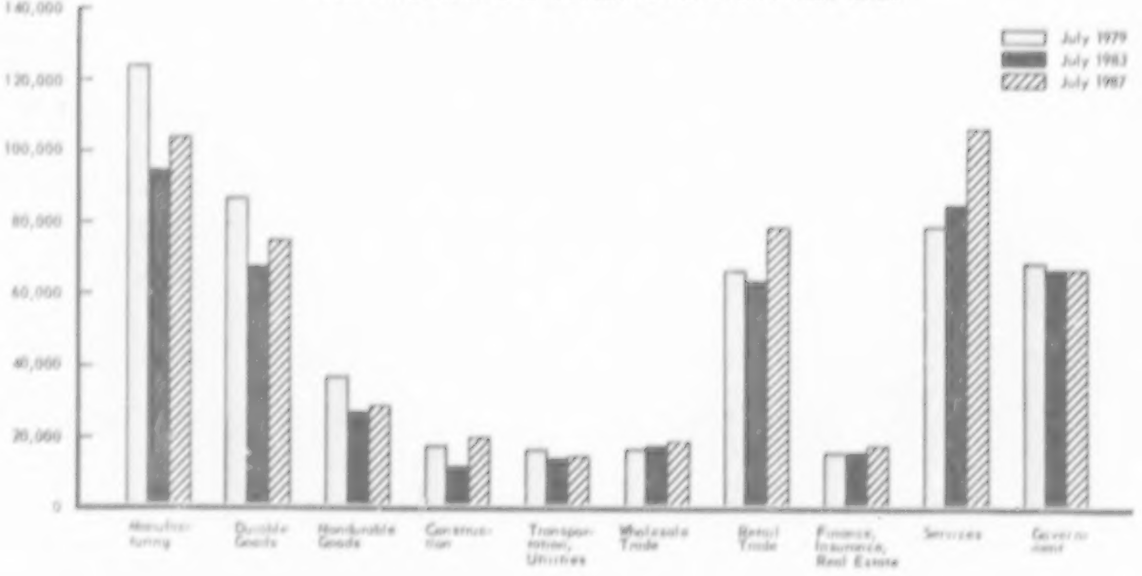

UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1931	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
459.9	427.4	32.5	7.1	June	420.3	106.6	68.5	518.06	43.1	12.02
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436,4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
468.0	439.4	28.6	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
INA	INA	INA	INA	July	428.7	104.1	66.3	494.62	41.6	11.89

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	428.7	433.5	417.5	-4.8	11.2
MANUFACTURING	104.1	104.7	106.2	-.6	-2.1
Durable Goods[e]	75.1	75.6	77.0	-.6	-1.9
Fabricated metal products	8.1	8.2	8.4	.0	-.3
Machinery, except electrical	30.3	30.5	31.7	-.2	-1.4
Metalworking machinery	6.4	6.5	6.9	-.1	-.5
General industrial machinery	2.6	2.5	2.6	.1	.0
Electric and electronic equipment	6.0	6.0	5.7	.0	.3
Electrical industrial apparatus	3.5	3.6	3.3	-.1	.2
Transportation equipment	21.1	21.4	21.9	-.3	-.8
Nondurable Goods[f]	29.1	29.1	29.2	.0	-.2
Food and kindred products	3.0	3.1	2.9	-.1	.2
Paper and allied products	5.9	6.0	5.8	.0	.1
Printing and publishing	8.7	8.6	8.4	.1	.3
Rubber and misc. plastics products	7.7	7.7	8.2	.0	-.6
NONMANUFACTURING[g]	324.6	328.8	311.3	-4.2	13.3
CONSTRUCTION	19.8	19.0	16.3	.8	3.5
TRANSPORTATION AND PUBLIC UTILITIES	15.0	15.1	14.6	-.1	.4
Communication, electric, gas services	5.8	5.8	6.0	-.1	-.2
WHOLESALE TRADE	19.1	19.2	19.0	.0	.2
Wholesale trade-durable goods	13.2	13.2	12.9	-.1	.3
RETAIL TRADE	78.8	79.1	75.9	-.2	3.0
General merchandise stores	11.1	11.2	11.2	-.1	-.1
FINANCE, INSURANCE, AND REAL ESTATE	18.1	18.1	17.7	.0	.4
Banking	4.4	4.4	4.3	.0	.1
Credit agencies other than banks	4.6	4.6	4.5	.0	.0
Insurance carriers	2.7	2.8	3.0	-.1	-.2
SERVICES	106.2	106.6	99.6	-.5	6.5
Business services	26.9	26.6	24.4	.3	2.5
Health services	35.7	35.4	34.6	.3	1.1
Hospitals	18.4	18.4	18.2	.1	.2
Educational services	4.6	5.4	5.0	-.8	-.4
GOVERNMENT	67.0	71.1	67.8	-4.1	-.8
Federal government	28.3	27.9	28.2	.4	.1
State government	6.6	7.5	6.1	-.9	.5
State government education[i]	3.6	4.5	3.3	-.9	.3
State government, except education	3.0	2.9	2.7	.0	.2
Local government	32.1	35.8	33.6	-3.6	-1.5
Local government education	16.8	20.6	18.3	-3.8	-1.5
Local government, except education	15.4	15.1	15.3	.2	.1

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

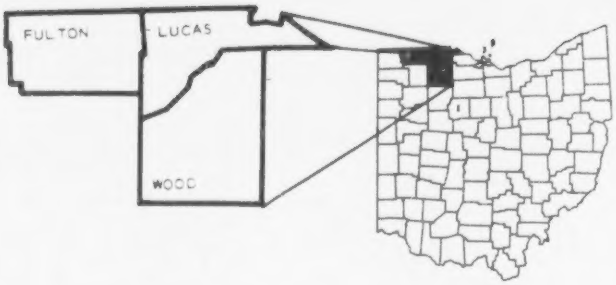
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$494.62	$502.18	$511.28	41.6	42.2	42.5	$11.89	$11.90	$12.03
Durable Goods[e]	506.20	511.83	523.87	41.8	42.3	42.8	12.11	12.10	12.24
Fabricated metal products	371.60	385.22	391.11	40.0	41.2	42.1	9.29	9.35	9.29
Machinery, except electrical	552.55	555.56	546.25	42.8	43.1	43.0	12.91	12.89	12.75
Metalworking machinery	532.84	533.05	525.87	44.0	44.2	45.1	12.11	12.06	11.66
General industrial machinery	456.22	472.50	442.04	42.4	44.2	42.3	10.76	10.69	10.45
Electric and electronic equipment	427.27	447.58	402.99	44.6	46.0	43.1	9.58	9.73	9.35
Electrical industrial apparatus	484.09	520.54	467.53	45.2	47.8	44.4	10.71	10.89	10.53
Transportation equipment	587.11	587.94	634.52	40.8	41.0	43.7	14.39	14.34	14.52
Nondurable Goods[f]	463.50	472.76	473.52	41.2	41.8	41.5	11.25	11.31	11.41
Food and kindred products	362.18	360.69	369.75	43.9	43.3	43.5	8.25	8.33	8.50
Paper and allied products	493.85	513.56	459.46	45.6	46.9	43.8	10.83	10.95	10.49
Printing and publishing	416.52	426.20	416.46	37.9	38.5	39.4	10.99	11.07	10.57
Rubber and misc. plastics products	556.10	554.36	600.30	39.3	39.4	41.4	14.15	14.07	14.50
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	553.32	538.65	539.97	41.2	40.5	41.0	13.43	13.30	13.17
WHOLESALE TRADE	411.05	412.68	392.50	40.9	40.9	40.8	10.05	10.09	9.62
RETAIL TRADE[h]	161.57	157.35	159.10	28.8	27.8	29.3	5.61	5.66	5.43
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	362.10	361.18	331.32	34.0	34.3	33.0	10.65	10.53	10.04

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	2,758	2,750	3,112
Active File of Job Seekers	21,782	21,111	26,229
Referrals to Jobs	4,027	1,691	4,694
Placements	3,015	517	3,489
Job Openings Received	3,656	737	4,272
Job Openings Unfilled	1,585	1,458	1,622
Unemployment Insurance Program			
Initial Claims	4,072	3,537	3,580
Continued Claims	27,342	24,762	27,109
First Payments	1,705	1,328	1,431
Last Payments	562	454	577
Weeks Compensated	23,225	18,894	21,865
Benefits Paid	$3,156,631	$2,585,868	$ 2,943,702
Average Weekly Payment	$138.84	$140.22	$137.20

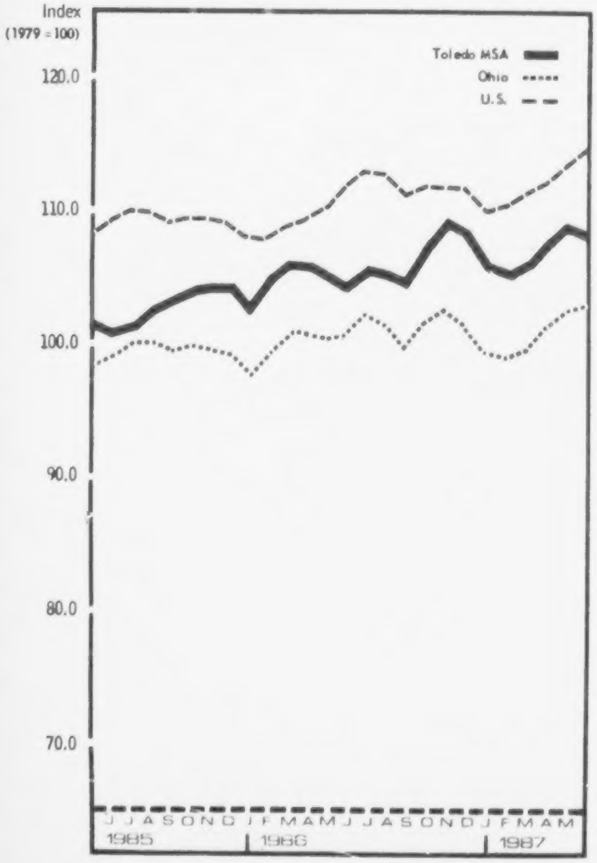
TOLEDO
METROPOLITAN
STATISTICAL
AREA



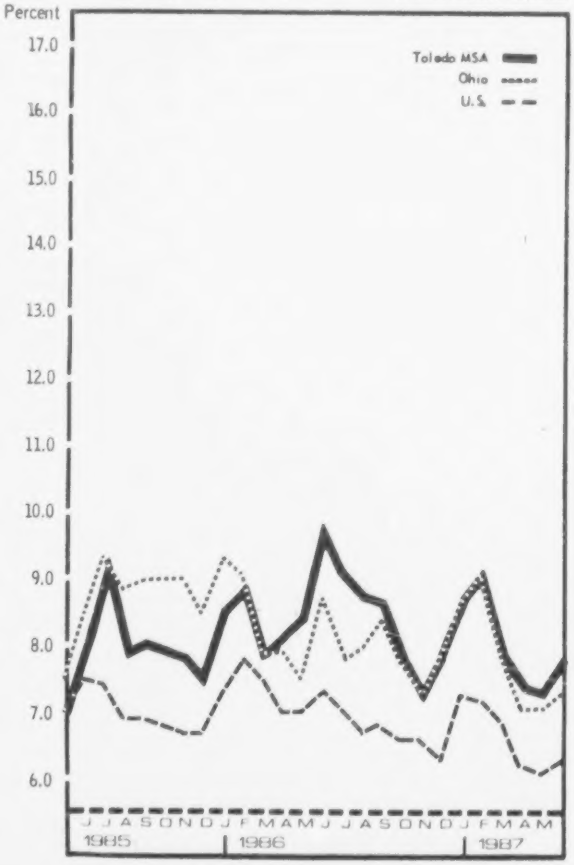
Nonagricultural employment in the Toledo area totaled 282,000 in July 1987, down 1,900 from June. Most of the decline occurred in nonmanufacturing as losses of nonteaching personnel in state and local schools and colleges more than offset seasonal increases in services and construction. Manufacturing dropped 400 jobs over the month with losses scattered among producers of durable goods. Factory production workers averaged $12.66 per hour, unchanged from the previous month. The average workweek, at 41.3 hours, was down .5 hours.

Total nonfarm employment advanced 13,400 from July 1986 to July 1987. The improvement occurred in nonmanufacturing sectors, especially health and business services, retail trade, transportation and public utilities, and construction. Factory employment declined 1,200 over the year as reductions in most durable-goods industries more than offset increases in nondurable goods.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

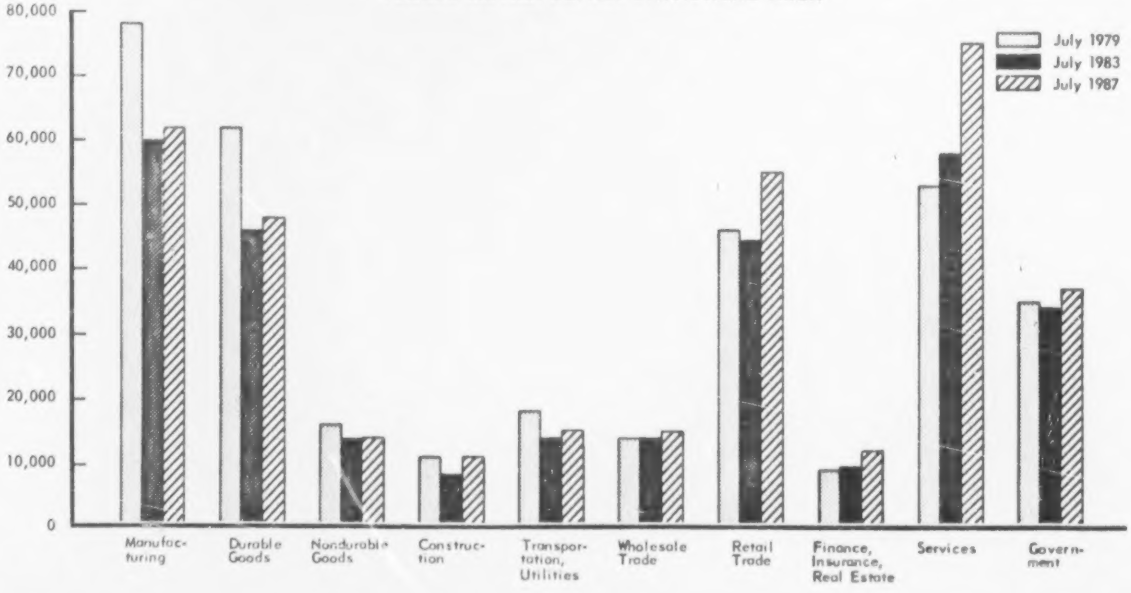


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
307.9	277.6	30.3	9.8	June	270.5	63.3	43.9	524.12	42.2	12.42
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.1	288.8	24.3	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
INA	INA	INA	INA	July	282.0	61.8	43.2	522.86	41.3	12.66

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	282.0	283.8	268.6	-1.9	13.4
MANUFACTURING	61.8	62.2	63.0	-.4	-1.2
Durable Goods[e]	47.7	48.1	49.1	-.4	-1.4
Stone, clay, and glass products	7.8	7.8	8.7	.0	-.9
Primary metal industries	3.0	3.2	3.1	-.2	-.1
Fabricated metal products	7.3	7.4	7.4	-.1	-.1
Metal forgings and stampings	3.2	3.2	3.1	.0	.1
Machinery, except electrical	6.2	6.2	6.0	.0	.3
Electric and electronic equipment	2.7	2.7	2.9	.0	-.2
Transportation equipment	16.3	16.4	16.6	-.1	-.3
Motor vehicles and equipment	15.3	15.5	15.6	-.1	-.2
Nondurable Goods[f]	14.1	14.1	13.9	.0	.2
Food and kindred products	3.6	3.6	3.4	.0	.2
Rubber and misc. plastics products	3.2	3.2	3.0	.0	.1
NONMANUFACTURING[g]	220.2	221.6	205.5	-1.4	14.6
CONSTRUCTION	11.4	10.9	10.3	.5	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.8	14.7	13.3	.1	1.5
Trucking and warehousing	5.9	5.8	5.3	.1	.5
Communication, electric, gas services	5.1	5.1	4.3	.0	.8
WHOLESALE TRADE	14.9	14.7	14.6	.2	.3
Wholesale trade-durable goods	9.8	9.7	9.7	.1	.1
RETAIL TRADE	54.8	54.8	51.9	.0	2.8
General merchandise stores	7.0	7.0	7.0	.0	.0
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.6	11.2	.0	.5
Banking	3.6	3.6	3.5	.0	.0
SERVICES	75.4	74.8	67.4	.6	8.0
Business services	15.0	14.6	13.1	.4	1.9
Health services	29.8	29.6	26.1	.2	3.6
Hospitals	15.6	15.5	14.8	.0	.8
GOVERNMENT	37.0	39.9	36.6	-2.8	.4
State government	12.0	12.8	11.8	-.8	.2
State government education[i]	7.7	8.6	7.7	-.9	.0
State government, except education	4.2	4.2	4.1	.0	.2
Local government	22.4	24.4	22.2	-2.0	.2
Local government education	11.5	13.8	11.4	-2.3	.1
Local government, except education	10.9	10.6	10.8	.3	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

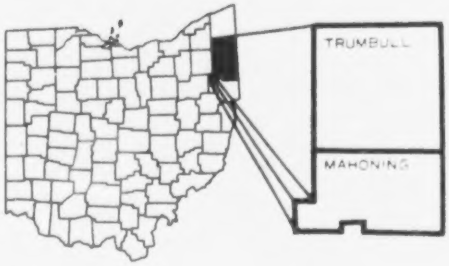
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$522.86	$529.19	$526.25	41.3	41.8	42.1	$12.66	$12.66	$12.50
Durable Goods[e]	540.20	546.69	547.30	41.3	41.7	42.1	13.08	13.11	13.00
Stone, clay, and glass products	505.52	516.94	540.04	40.9	40.8	43.1	12.36	12.67	12.53
Primary metal industries	458.58	496.80	522.12	41.5	43.2	45.8	11.05	11.50	11.40
Fabricated metal products	515.85	530.76	475.61	41.5	42.7	39.7	12.43	12.43	11.98
Metal forgings and stampings	615.90	642.69	553.15	43.1	44.6	40.2	14.29	14.41	13.76
Machinery, except electrical	486.78	477.76	458.56	42.0	41.4	41.2	11.59	11.54	11.13
Electric and electronic equipment	511.71	503.47	704.97	41.3	40.8	50.9	12.39	12.34	13.85
Transportation equipment	635.61	640.10	643.29	41.3	41.7	42.1	15.39	15.35	15.28
Motor vehicles and equipment	638.91	642.30	646.66	41.3	41.6	42.1	15.47	15.44	15.36
Nondurable Goods[f]	459.38	463.41	454.26	41.2	41.9	42.1	11.15	11.06	10.79
Food and kindred products	566.49	570.97	578.56	44.5	45.1	45.7	12.73	12.66	12.66
Rubber and misc. plastics products	316.68	330.06	326.82	39.0	40.3	40.7	8.12	8.19	8.03
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	635.38	629.22	601.68	42.7	42.4	43.1	14.88	14.84	13.96
WHOLESALE TRADE	355.89	351.00	354.66	37.7	37.5	38.3	9.44	9.36	9.26
RETAIL TRADE[h]	162.16	161.44	158.06	29.7	29.3	29.6	5.46	5.51	5.34

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

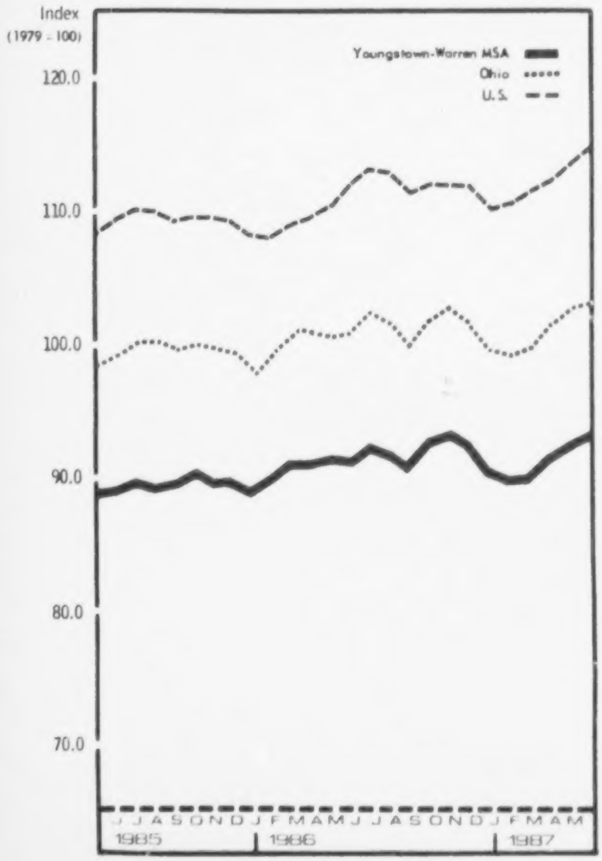
	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	2,442	2,321	2,727
Active File of Job Seekers	18,035	15,925	25,618
Referrals to Jobs	2,663	1,273	2,055
Placements	754	341	950
Job Openings Received	1,379	869	1,354
Job Openings Unfilled	1,859	1,641	5,758
Unemployment Insurance Program			
Initial Claims	4,789	3,899	5,498
Continued Claims	28,063	26,151	36,350
First Payments	1,468	1,261	1,733
Last Payments	497	349	560
Weeks Compensated	21,451	17,785	28,437
Benefits Paid	$3,026,681	$2,531,251	$4,339,016
Average Weekly Payment	$144.12	$145.97	$155.73

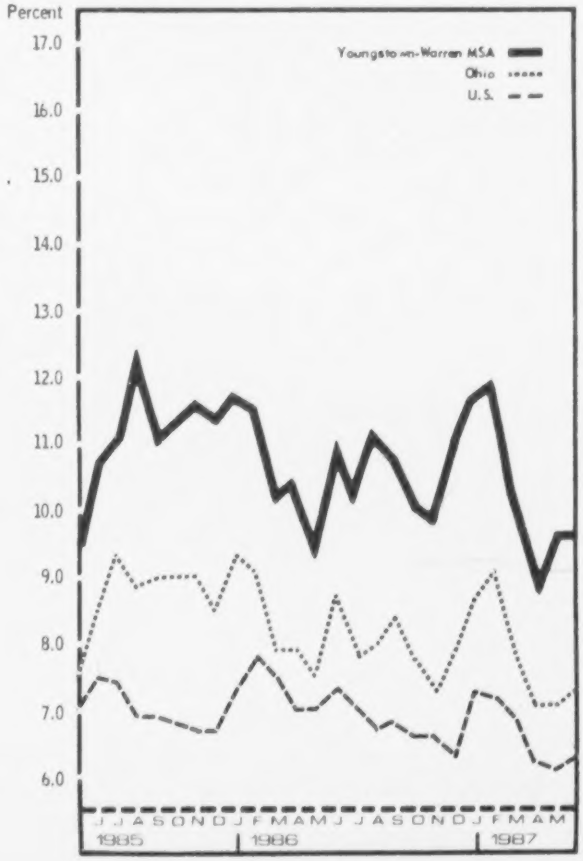
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 187,200 in July, down 7,700 workers from June. July employment in manufacturing, at 45,400, was down 5,700 from June. The loss resulted largely from temporary layoffs in transportation equipment. The decline in nonmanufacturing was due to seasonal layoffs of nonteaching employees in state and local schools and colleges. Production workers in manufacturing earned $12.94 per hour and worked an average of 42.3 hours per week, down $.30 and .5 hours from last month.

Since July 1986, nonagricultural wage and salary employment has declined 500. Employment in manufacturing dropped 6,100, with a significant loss in transportation equipment. Nonmanufacturing employment increased 5,600 over the year, with notable growth in services, construction, and retail trade.


INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

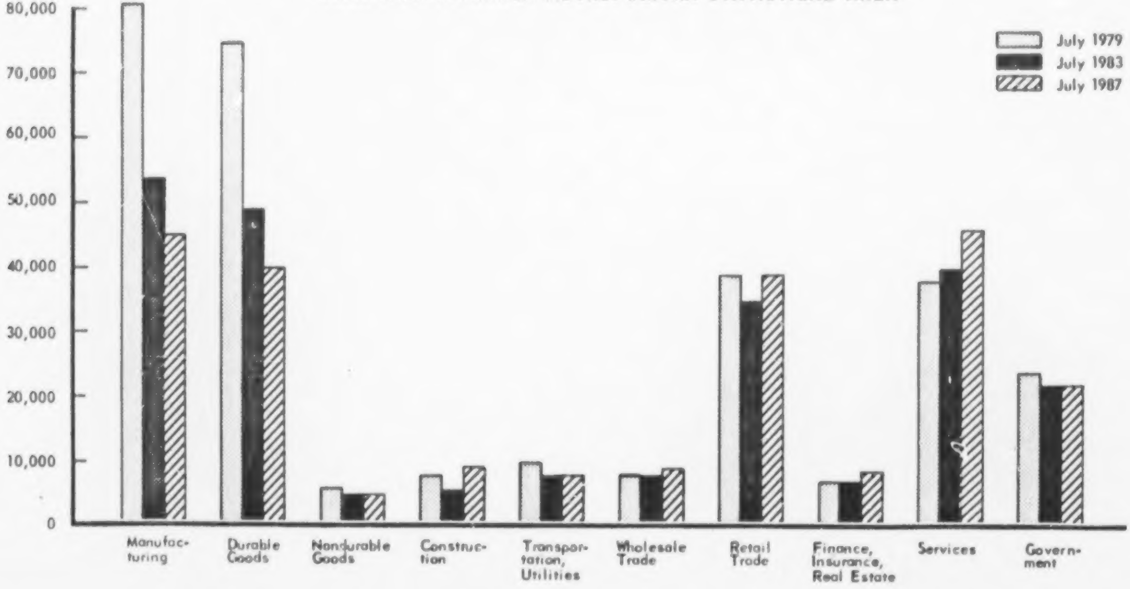

UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
225.5	200.6	24.9	11.0	June	189.6	52.1	38.9	539.97	41.0	13.17
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
226.8	205.0	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
INA	INA	INA	INA	July	187.2	45.4	32.7	547.36	42.3	12.94

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	EMPLOYMENT (in thousands)			CHANGE (in thousands)	
	July 1987[b]	June 1987[c]	July 1986[c]	From Last Month	From Last Year
TOTAL	187.2	194.8	187.6	- 7.7	- .5
MANUFACTURING	45.4	51.1	51.5	- 5.7	- 6.1
Durable Goods[e]	40.0	45.9	46.1	- 5.9	- 6.1
Primary metal industries	18.7	19.5	19.3	- .8	- .5
Blast furnace and basic steel products	6.8	6.9	6.4	.0	.5
Fabricated metal products	7.6	7.7	7.8	- .1	- .1
Machinery, except electrical	3.5	3.5	3.8	.0	- .3
Electric and electronic equipment	2.3	2.3	2.4	.0	- .1
Transportation equipment	4.6	9.6	9.9	- 5.0	- 5.3
Nondurable Goods[f]	5.4	5.2	5.3	.2	.1
NONMANUFACTURING[g]	141.8	143.8	136.2	- 2.0	5.6
CONSTRUCTION	9.2	8.8	7.7	.4	1.5
TRANSPORTATION AND PUBLIC UTILITIES	8.0	8.2	7.7	- .1	.4
Communication, electric, gas services	3.1	3.1	3.1	.0	.1
WHOLESALE TRADE	9.4	9.4	9.2	.0	.2
Wholesale trade-durable goods	6.0	6.0	6.0	.0	.0
RETAIL TRADE	38.6	38.7	37.3	- .1	1.3
General merchandise stores	5.6	5.6	5.4	.1	.3
FINANCE, INSURANCE, AND REAL ESTATE	8.5	8.5	8.3	.0	.2
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.6	45.2	43.9	.4	1.7
Health services	20.1	20.0	19.4	.1	.7
Hospitals	10.4	10.4	10.5	.0	- .1
GOVERNMENT	21.8	24.3	21.5	- 2.6	.3
State government	3.6	4.3	3.6	- .7	.1
State government education[i]	2.1	2.7	2.0	- .7	.1
State government, except education	1.6	1.6	1.6	.0	.0
Local government	16.1	18.0	15.8	- 1.9	.2
Local government education	9.5	11.4	9.2	- 1.9	.4
Local government, except education	6.6	6.6	6.7	.0	- .1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1987[b]	June 1987[c]	July 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]	Jul. 1987[b]	Jun. 1987[c]	Jul. 1986[c]
MANUFACTURING	$547.36	$566.67	$542.93	42.3	42.8	41.1	$12.94	$13.24	$13.21
Durable Goods[e]	563.60	582.28	561.27	42.6	43.1	41.3	13.23	13.51	13.59
Primary metal industries	617.44	610.46	563.56	42.7	42.6	39.3	14.46	14.33	14.34
Blast furnace and basic steel products	626.54	638.95	565.78	45.6	46.1	39.4	13.74	13.86	14.36
Fabricated metal products	526.85	534.01	547.39	41.0	41.3	41.5	12.85	12.93	13.19
Machinery, except electrical	481.12	517.72	447.60	41.8	43.8	40.0	11.51	11.82	11.19
Electric and electronic equipment	436.51	434.42	408.18	39.9	40.6	39.4	10.94	10.70	10.36
Transportation equipment	648.21	678.37	680.09	46.5	46.4	45.4	13.94	14.62	14.98
Nondurable Goods[f]	414.86	418.99	365.88	40.2	40.6	39.3	10.32	10.32	9.31
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	558.55	553.91	546.63	40.8	41.0	41.1	13.69	13.51	13.30
WHOLESALE TRADE	341.25	342.14	333.68	38.3	38.4	38.8	8.91	8.91	8.60
RETAIL TRADE[h]	177.01	173.75	168.90	29.8	29.4	30.0	5.94	5.91	5.63

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	July 1987	June 1987	July 1986
Employment Service Program			
New Applicants	2,746	1,903	3,077
Active File of Job Seekers	19,026	19,042	32,168
Referrals to Jobs	1,805	1,507	1,791
Placements	372	576	554
Job Openings Received	636	786	729
Job Openings Unfilled	664	639	559
Unemployment Insurance Program			
Initial Claims	12,542	4,579	6,332
Continued Claims	37,826	20,878	25,391
First Payments	1,969	964	1,326
Last Payments	441	342	467
Weeks Compensated	29,945	16,974	20,512
Benefits Paid	$4,667,565	$2,327,263	$2,858,468
Average Weekly Payment	$159.97	$141.72	$143.51

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	July 1987	June 1987	July 1986
New Applicants	44,514	41,471	53,007
Active File of Job Seekers	292,626	292,657	409,440
Counseling Interviews	1,218	1,470	1,865
Tests Administered	3,080	3,879	7,900
General Aptitude Tests	429	410	301
Proficiency Tests	518	397	686
Specific Aptitude Tests	532	1,286	529
Referrals to Jobs	32,426	26,800	34,034
Placements	12,915	8,473	15,299
Job Openings Received	20,364	13,416	23,358
Job Openings Unfilled	23,787	22,801	26,051

Selected Unemployment Insurance Activities

	July 1987	June 1987	July 1986
Initial Claims	79,012	55,473	71,748
Continued Claims	435,982	389,194	492,828
First Payments	24,011	17,673	23,103
Last Payments	8,333	6,965	9,256
Average Weekly Claimants	93,084	88,426	102,665
Average Weekly Benefit Recipients	74,480	73,711	81,682
Weeks Compensated	357,502	298,443	380,058
Benefits Paid	$51,775,703	$43,017,081	$54,513,869
Average Weekly Payment	$148.36	$147.91	$146.79
Continued Claims for Survey Week	99,137	89,905	104,103
Insured Unemployment Rate	2.2	2.1	2.5
Net Contributions	$71,318,012	$9,653,004	$85,100,121
Active Employer Accounts	196,496	197,026	192,202

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Dixie Sommers, Director, Labor Market Information Division at (614) 481-5783.

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Ohio
Labor
Market
Information

Labor Market Review

August 1987

Summary. Ohio's seasonally adjusted unemployment rate declined from 7.1 percent in July to 7.0 percent in August. The national rate of 6.0 percent was unchanged. Total employment in Ohio, at 4,841,000, was down 27,000 over the month. The number of unemployed workers decreased by 8,000, to 364,000 in August. Seasonally adjusted nonagricultural wage and salary employment rose 19,000 from July, to 4,589,000 in August, as nearly all divisions had increased employment. (See page 3.)

Factory Employment. Seasonally adjusted manufacturing employment in Ohio was up 11,000 from July, to 1,087,000 in August. This was the first improvement in manufacturing employment since February. Employment in durable-goods industries, at 730,000, increased by 8,000. Nondurable-goods employment advanced 3,000, to 357,000.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 8,000 in August, to 3,501,000. Retail trade was up 3,000, while services gained 2,000. Employment in mining and transportation and public utilities was unchanged from July. All other divisions had small increases in employment.

Over the Year. From August 1986 to August 1987, Ohio's civilian labor force rose 20,000. Total employment increased 78,000, while total unemployment declined 58,000, lowering the unemployment rate from 8.1 percent in August 1986 to 7.0 percent in August 1987. The U.S. rate fell from 6.8 percent to 6.0 percent during the same period. Nonfarm payroll employment increased 105,000 over the year. The largest gains occurred in services (57,000), retail trade (29,000), construction (15,000), and finance, insurance, and real estate (10,000). All other nonmanufacturing divisions had higher employment except mining, which fell 2,000. Manufacturing lost 16,000 jobs since August 1986, mostly in durable-goods industries. Nondurable-goods employment was up 2,000.

Factory Hours and Earnings. Manufacturing production workers in Ohio grossed $492.69 per week in August, up $7.49 from July. Their average workweek of 42.4 hours was .5 hours longer. Most industries had increased earnings due to more overtime. The most significant were motor vehicles and equipment, iron and steel foundries, fabricated structural metal products, and electrical industrial apparatus. The onset of the canning season created reduced earnings in preserved fruits and vegetables due to the hiring of lower-paid temporary workers.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 53,967 in August, down 31.7 percent from July, and down 18.7 percent from August 1986. Total benefits paid, at $43.1 million, were down 16.9 percent. The average weekly benefit check increased $.45, to $148.81. The average weekly number of benefit recipients fell

Ohio Bureau of Employment Services
Richard F. Celeste, Governor　Dr. Roberta Steinbacher, Administrator

3.7 percent from July, to 71,759. There were 195,513 active employer accounts at the end of August.

Employment Service. The Ohio Bureau of Employment Services helped 40,304 new job applicants in August, down 9.5 percent from July, and down 20.2 percent from August 1986. Job openings from employers fell 17.3 percent from July, to 16,847. The Employment Services Division made 28,897 job referrals and 9,417 placements.

JOB TRAINING PARTNERSHIP AND YOUR BUSINESS

JTP-Ohio is a state job training program under the Job Training Partnership Act (JTPA). The federal law, JTPA, provides states with funds to help youths and adults who are unemployed, dislocated, or have other barriers to employment, train for jobs and become employed.

There are three basic program classifications under JTPA.
* Training and retraining for economically disadvantaged youths and adults are created under Title II-A.
* Summer employment programs for youths are authorized under Title II-B.
* Programs to serve dislocated workers whose jobs are lost through plant closings, permanent layoffs, or other causes beyond their control, are authorized under Title III.

For further information about JTP-Ohio, contact your local Ohio Bureau of Employment Services office, JTPA office, Private Industry Council or the state JTP-Ohio office at (614) 466-3817.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1987	Jul. 1987	Aug. 1986	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,205	5,240	5,185	-35	20	-0.7	0.4
Employment	4,841	4,868	4,763	-27	78	-0.6	1.6
Unemployment	364	372	422	-8	-58	-2.2	-13.7
Unemployment Rate	7.0	7.1	8.1				
Employer Survey Data[e]							
Total	4,589	4,569	4,484	19	105	0.4	2.3
Manufacturing	1,087	1,076	1,103	11	-16	1.0	-1.4
Durable Goods	730	722	748	8	-17	1.2	-2.3
Nondurable Goods	357	354	355	3	2	0.8	0.5
Nonmanufacturing	3,501	3,493	3,381	8	121	0.2	3.6
Mining	20	20	22	0	-2	0.5	-7.8
Construction	175	174	161	1	15	0.6	9.1
Transportation and Public Utilities	210	210	207	0	3	-0.1	1.2
Wholesale Trade	250	250	246	1	4	0.2	1.7
Retail Trade	853	850	824	3	29	0.3	3.5
Finance, Insurance, and Real Estate	244	243	234	1	10	0.3	4.4
Services	1,062	1,060	1,005	2	57	0.2	5.6
Government	686	686	682	1	5	0.1	0.7
Goods Producing Industries[f]	1,283	1,271	1,286	12	-3	1.0	-0.2
Service Producing Industries[g]	3,306	3,299	3,198	7	108	0.2	3.4

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f] Includes Mining, Construction, and Manufacturing. [g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

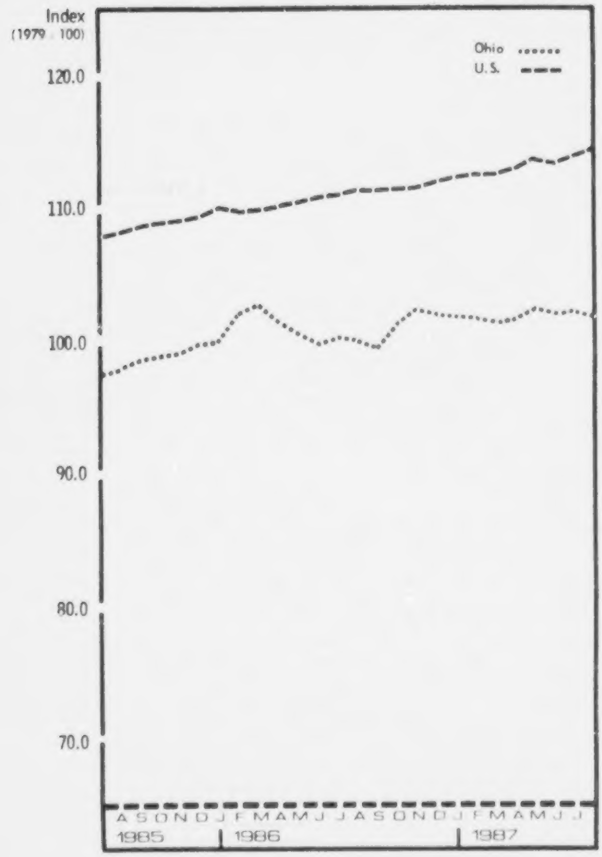
Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
Total	Employed	Unemployed	Ohio	U.S.			Manufacturing		
								Durable	Nondurable
					1985				
5,132	4,675	457	8.9	7.1	August	4,380	1,119	763	356
5,167	4,701	466	9.0	7.1	September	4,385	1,114	759	355
5,172	4,707	465	9.0	7.1	October	4,398	1,117	762	356
5,192	4,727	465	9.0	7.0	November	4,410	1,120	763	357
5,185	4,754	431	8.3	7.0	December	4,422	1,123	766	357
					1986				
5,218	4,759	459	8.8	6.8	January	4,438	1,124	767	357
5,325	4,869	456	8.6	7.2	February	4,440	1,122	764	357
5,297	4,896	401	7.6	7.2	March	4,440	1,117	760	356
5,248	4,823	425	8.1	7.1	April	4,459	1,117	761	356
5,214	4,784	430	8.2	7.2	May	4,464	1,112	756	356
5,204	4,752	452	8.7	7.1	June	4,466	1,111	755	356
5,204	4,777	427	8.2	7.0	July	4,472	1,103	749	354
5,185	4,763	422	8.1	6.8	August	4,484	1,103	748	355
5,163	4,734	429	8.3	7.0	September	4,488	1,100	744	355
5,214	4,810	404	7.7	6.9	October	4,497	1,094	739	355
5,264	4,875	389	7.4	6.9	November	4,517	1,103	747	356
5,276	4,861	415	7.9	6.7	December	4,532	1,106	750	356
					1987				
5,287	4,850	437	8.3	6.7	January	4,556	1,106	748	358
5,303	4,848	455	8.6	6.7	February	4,564	1,108	750	358
5,215	4,824	391	7.5	6.6	March	4,563	1,099	741	357
5,223	4,846	377	7.2	6.3	April	4,570	1,098	741	357
5,294	4,878	416	7.9	6.3	May	4,572	1,091	735	356
5,237	4,859	378	7.2	6.1	June	4,567	1,084	731	354
5,240	4,868	372	7.1	6.0	July	4,569	1,076	722	354
5,205	4,841	364	7.0	6.0	August	4,589	1,087	730	357

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

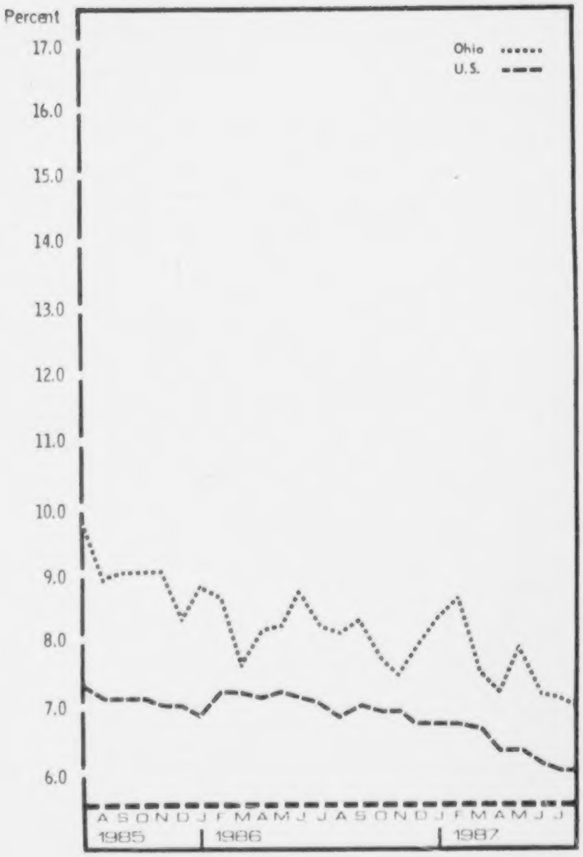
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1985				
3,261	25	154	202	243	August	793	220	956	667
3,272	25	155	202	244	September	794	222	959	671
3,280	25	156	202	244	October	798	223	962	670
3,290	25	155	203	244	November	801	224	965	672
3,300	25	158	203	244	December	802	225	969	673
					1986				
3,314	25	158	203	245	January	806	226	974	677
3,319	25	158	202	245	February	809	227	977	676
3,323	24	156	203	244	March	811	227	981	676
3,342	23	161	203	245	April	813	229	989	678
3,352	23	161	203	245	May	816	231	994	679
3,355	22	160	202	245	June	818	231	996	680
3,369	22	160	206	245	July	820	233	1002	680
3,381	22	161	207	246	August	824	234	1005	682
3,388	22	162	208	247	September	826	234	1008	682
3,402	22	162	209	247	October	831	236	1013	682
3,414	22	164	210	247	November	833	236	1020	682
3,426	22	165	210	249	December	836	237	1026	682
					1987				
3,450	22	171	210	249	January	840	239	1032	687
3,456	21	171	211	249	February	842	240	1036	686
3,465	21	170	210	249	March	845	240	1040	688
3,472	21	171	211	249	April	846	242	1045	688
3,481	21	173	211	250	May	847	242	1050	689
3,483	20	174	210	249	June	847	242	1052	689
3,493	20	174	210	250	July	850	243	1060	686
3,501	20	175	210	250	August	853	244	1062	686

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

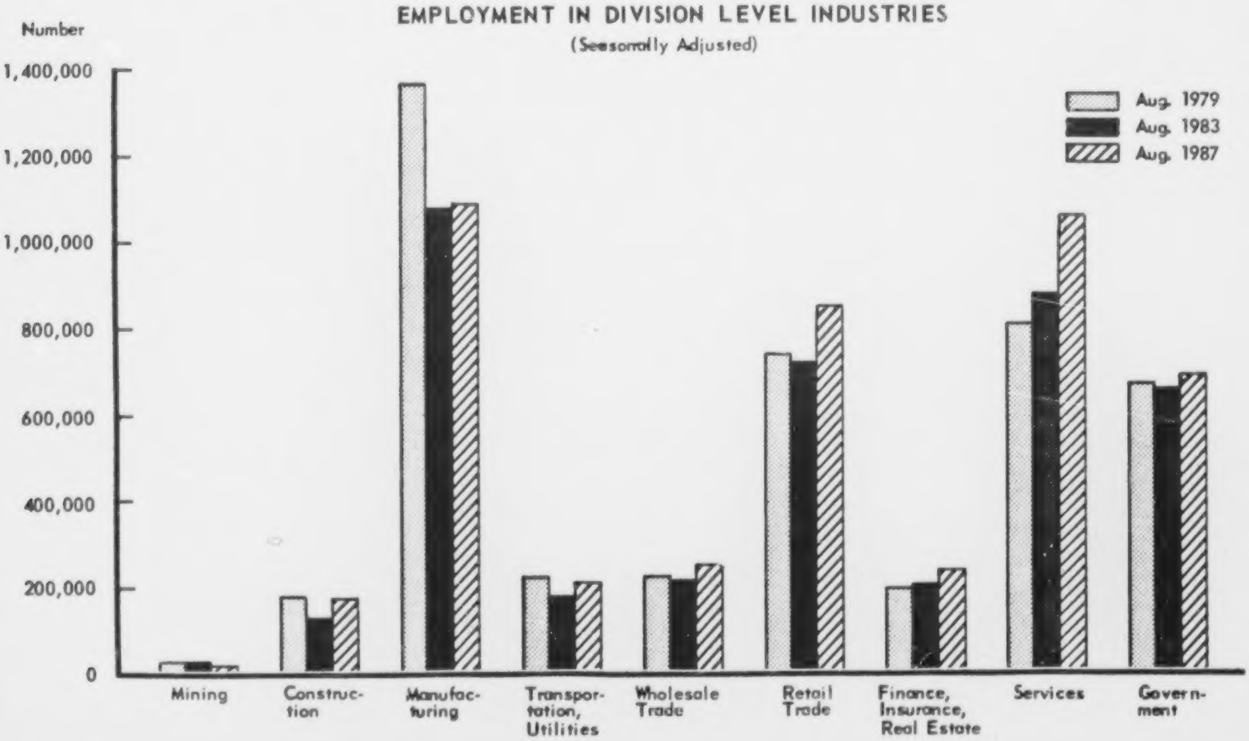
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S. (Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S. (Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage & Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rate			Total Nonagricultural			
							Manufacturing		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,751	4,380	370	7.8	7.7	1976	4,094.6	1,295.3	910.6	384.6
4,833	4,520	312	6.5	7.1	1977	4,230.1	1,344.1	945.2	398.9
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,139	4,684	456	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,234	4,809	426	8.1	7.0	1986	4,475.2	1,109.3	753.2	356.1
					1986				
5,261	4,838	423	8.0	6.7	August	4,488.4	1,107.4	748.4	359.0
5,189	4,755	434	8.4	6.8	September	4,531.8	1,109.4	748.0	361.4
5,263	4,855	408	7.8	6.6	October	4,546.2	1,098.4	741.5	356.9
5,282	4,894	388	7.3	6.6	November	4,563.9	1,105.8	749.1	356.7
5,259	4,841	418	7.9	6.3	December	4,569.4	1,106.3	749.6	356.7
					1987				
5,196	4,744	452	8.7	7.3	January	4,466.2	1,095.7	741.2	354.6
5,205	4,732	473	9.1	7.2	February	4,467.2	1,096.0	742.4	353.6
5,154	4,749	405	7.9	6.9	March	4,492.3	1,092.1	738.4	353.6
5,205	4,837	367	7.1	6.2	April	4,556.9	1,094.4	740.1	354.3
5,264	4,892	372	7.1	6.1	May	4,600.3	1,091.0	736.4	354.5
5,293	4,909	384	7.3	6.3	June	4,614.8	1,091.8	736.4	355.4
5,325	4,967	358	6.7	6.1	July	4,576.6	1,078.8	723.4	355.3
5,272	4,908	364	6.9	5.8	August	4,596.8	1,091.8	731.2	360.6

Ohio Nonmanufacturing Wage & Salary Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	1976	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	1986	820.5	231.8	998.8	679.8
					1986				
3,381.0	22.3	179.1	209.9	247.9	August	832.0	236.4	1,015.5	637.9
3,422.4	22.1	180.0	210.8	247.6	September	834.9	235.4	1,021.7	670.0
3,447.7	22.0	180.3	211.4	248.2	October	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.2	248.9	November	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	December	865.1	237.1	1,017.4	698.0
					1987				
3,370.4	21.2	144.7	205.1	246.7	January	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	February	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	March	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	April	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	May	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	June	854.6	244.3	1,069.9	688.0
3,497.9	20.6	190.8	212.1	251.6	July	855.9	246.3	1,072.8	647.8
3,505.0	20.6	195.3	212.5	252.1	August	861.5	246.8	1,073.7	642.5

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Production Workers in Manufacturing

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
			1986			
1,107.4	748.4	359.0	August	753.5	362.7	31.6
1,109.4	748.0	361.4	September	756.4	368.6	32.0
1,098.4	741.5	356.9	October	746.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
			1987			
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.5	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,078.8	723.4	355.3	July	731.6	355.0	30.7
1,091.8	731.2	360.6	August	745.0	367.1	31.6

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$252.54	$258.75	$235.00	1976
283.08	292.02	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
			1986
481.43	500.99	439.30	August
487.30	507.03	443.72	September
483.53	502.25	444.52	October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
			1987
502.58	524.96	449.53	January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.45	450.78	May
498.42	517.37	453.95	June
485.20	501.76	450.02	July
492.69	510.77	452.94	August

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
			1986
41.9	42.1	41.6	August
42.3	42.5	41.9	September
41.9	42.1	41.7	October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
			1987
42.7	43.1	41.7	January
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.7	May
42.6	42.9	41.8	June
41.9	42.2	41.4	July
42.4	42.6	41.9	August

Production Workers Average Hourly Earnings

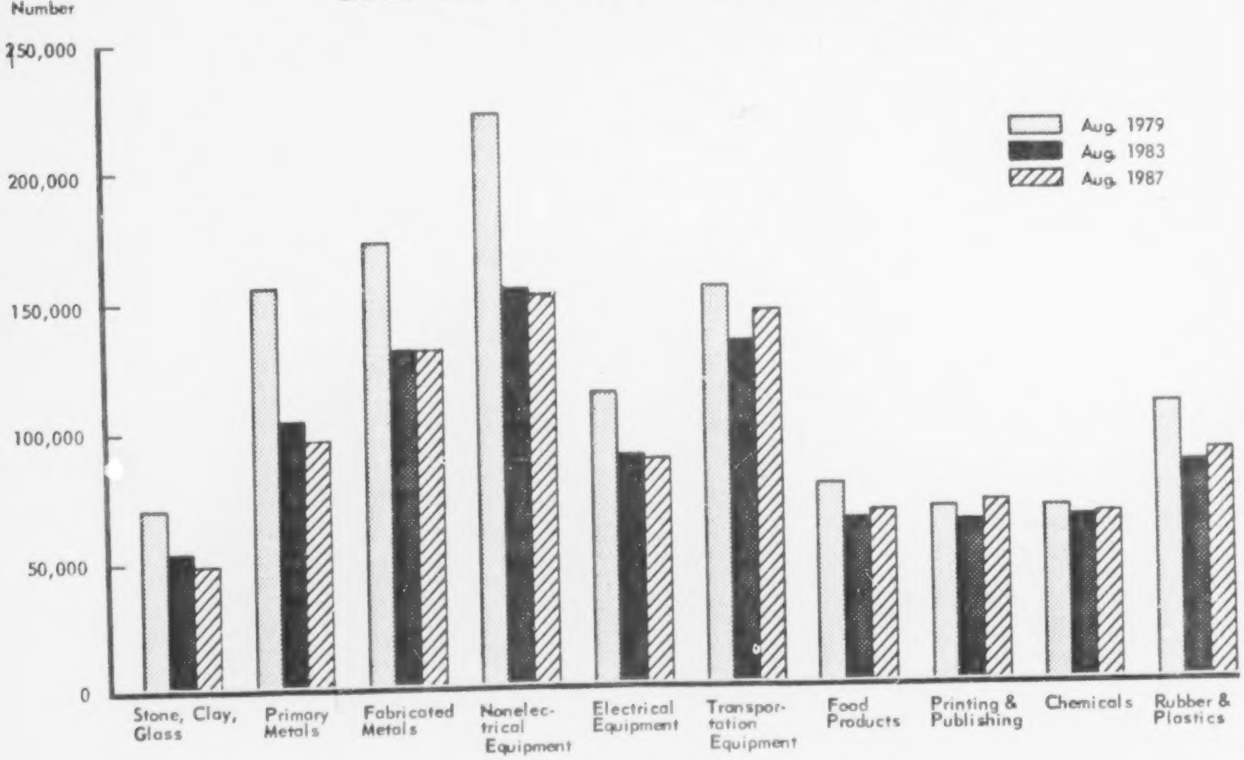
	Manufacturing	Durable Goods	Nondurable Goods
1976	$6.10	$6.25	$5.69
1977	6.74	6.92	6.24
1978	7.29	7.49	6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1986			
August	11.49	11.90	10.56
September	11.52	11.93	10.59
October	11.54	11.93	10.66
November	11.67	12.07	10.70
December	11.79	12.21	10.78
1987			
January	11.77	12.18	10.78
February	11.77	12.17	10.79
March	11.73	12.12	10.79
April	11.71	12.10	10.77
May	11.71	12.09	10.81
June	11.70	12.06	10.86
July	11.58	11.89	10.87
August	11.62	11.99	10.81

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

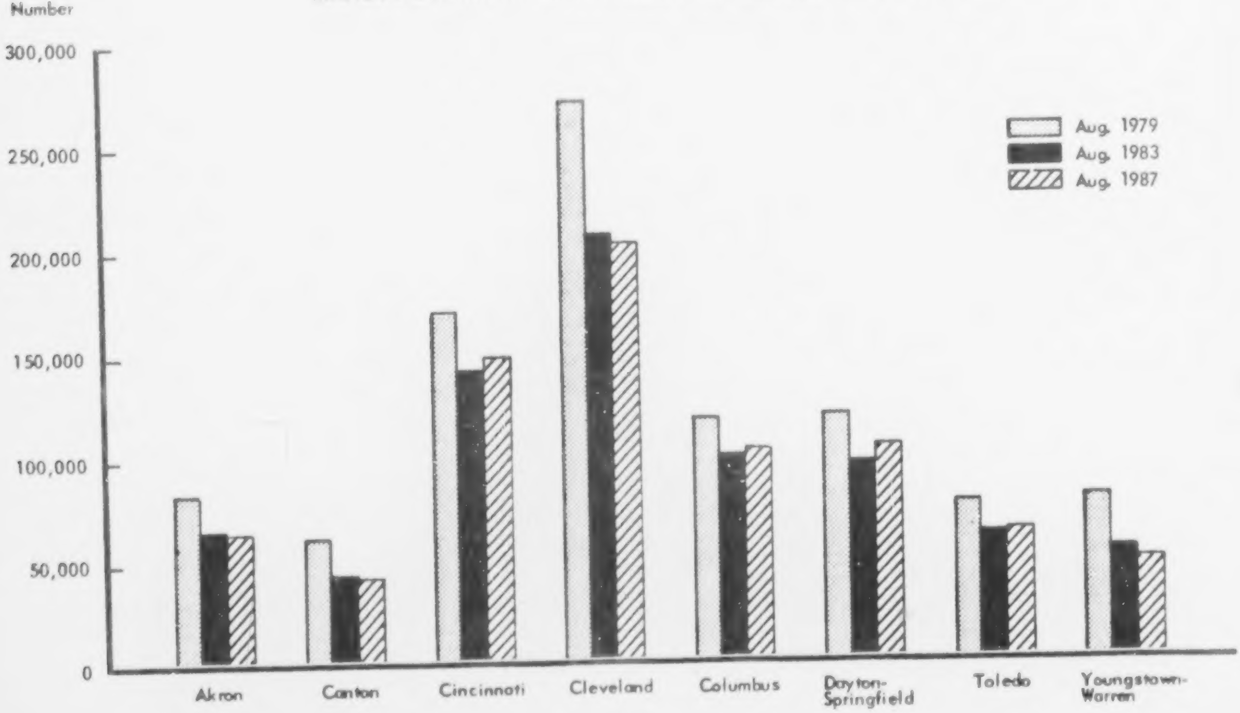
Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Stone, Clay & Glass Products	Primary Metal Industies	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
			Employment (in thousands)							
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
50.6	91.9	135.5	August	158.3	90.4	151.1	August	66.2	68.9	90.2
50.4	90.1	137.2	September	158.1	90.1	151.2	September	66.6	69.3	91.2
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.7	133.3	March	153.8	89.0	148.9	March	61.5	69.1	90.4
48.0	96.7	132.5	April	153.5	88.0	151.6	April	62.2	69.3	89.8
48.2	95.5	131.8	May	153.2	87.3	150.3	May	62.7	69.3	88.9
48.4	95.9	133.2	June	153.6	87.5	147.1	June	62.7	69.3	88.8
47.8	94.4	130.4	July	151.7	87.6	140.7	July	63.2	69.8	88.0
48.6	96.0	131.3	August	151.8	87.2	144.2	August	66.9	69.8	89.0
			Average Weekly Earnings of Production Workers							
$232.40	$294.58	$256.68	1976	$253.31	$221.54	$3[illegible]2.87	1976	$242.92	$252.20	$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.[illegible]	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
449.86	566.46	486.99	August	481.85	452.35	616.40	August	422.99	410.80	438.65
447.62	559.68	494.38	September	485.41	464.88	629.31	September	420.33	417.40	441.34
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
443.92	604.80	478.30	August	490.03	468.16	629.01	August	434.26	423.83	447.20

[a] Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.



EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	4596.8	4576.6	4488.4	20.1	108.3
MANUFACTURING	1091.8	1078.8	1107.4	13.0	-15.6
Durable Goods[e]	731.2	723.4	748.4	7.7	-17.2
Lumber and wood products	20.7	20.4	18.8	.4	1.9
Furniture and fixtures	14.8	14.3	14.7	.6	.1
Stone, clay, and glass products	48.6	47.8	50.6	.8	-2.0
Glass and glassware, pressed or blown.	10.3	9.7	11.1	.6	-.8
Primary metal industries	96.0	94.4	91.9	1.5	4.1
Blast furnace and basic steel products	44.8	44.7	41.5	.1	3.3
Iron and steel foundries	19.3	19.2	19.3	.2	.0
Nonferrous rolling and drawing	16.9	16.2	17.4	.7	-.5
Fabricated metal products	131.3	130.4	135.5	.9	-4.2
Cutlery, hand tools, and hardware	9.8	9.7	10.2	.1	-.3
Fabricated structural metal products	28.7	28.6	29.7	.2	-.9
Metal forgings and stampings	39.9	39.8	41.3	.1	-1.4
Machinery, except electrical	151.8	151.7	158.3	.1	-6.5
Construction and related machinery	11.7	11.8	12.8	-.1	-1.1
Metalworking machinery	38.7	38.5	41.5	.1	-2.8
Special industry machinery	16.6	16.4	17.2	.2	-.6
General industrial machinery	26.1	26.2	27.9	-.1	-1.8
Office and computing machines	13.7	14.0	13.7	-.3	.1
Refrigeration and service machinery	16.8	16.7	16.0	.1	.8
Electric and electronic equipment	87.2	87.6	90.4	-.4	-3.2
Electrical industrial apparatus	16.8	16.6	17.1	.2	-.3
Household appliances	16.7	16.7	17.3	.1	-.6
Electric lighting and wiring equipment	17.1	17.4	18.0	-.2	-.8
Communication equipment	10.0	10.0	10.5	.0	-.5
Transportation equipment	144.2	140.7	151.1	3.4	-6.9
Motor vehicles and equipment	91.2	87.5	95.2	3.7	-4.0
Aircraft and parts	43.3	43.7	46.8	-.4	-3.5
Instruments and related products	22.2	22.0	22.9	.2	-.7
Measuring and controlling devices	12.1	12.0	12.1	.1	.1
Nondurable Goods[f]	360.6	355.3	359.0	5.3	1.6
Food and kindred products	66.9	63.2	66.2	3.8	.8
Meat products	9.7	9.8	9.8	-.1	-.1
Dairy products	10.6	10.6	10.2	.0	.3
Preserved fruits and vegetables	13.9	10.2	13.5	3.8	.5
Bakery products	9.0	9.1	8.7	.0	.3
Beverages	10.2	10.2	10.4	.0	-.2
Apparel and other textile products	15.9	15.7	16.1	.1	-.2
Paper and allied products	37.4	37.1	36.8	.3	.6
Misc. converted paper products	11.9	11.9	11.8	.0	.1
Paperboard containers and boxes	13.2	12.9	12.4	.3	.8
Printing and publishing	69.8	69.8	68.9	.0	.9
Newspapers	19.4	19.4	19.4	.0	.0
Commercial printing	26.3	26.5	26.3	-.2	.0
Chemicals and allied products	64.7	64.5	63.6	.1	1.1
Industrial inorganic chemicals	10.1	9.9	10.0	.2	.2
Rubber and misc. plastics products	89.0	88.0	90.2	1.0	-1.3
Tires and inner tubes	16.6	16.6	17.8	.0	-1.2
Miscellaneous plastics products	53.0	52.5	52.4	.5	.5

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
NONMANUFACTURING	3505.0	3497.9	3381.0	7.1	123.9
MINING	20.6	20.6	22.3	.0	-1.7
Bituminous coal and lignite mining	9.3	9.2	10.0	.1	-.7
Oil and gas extraction	6.3	6.5	7.4	-.2	-1.1
CONSTRUCTION	195.3	190.8	179.1	4.6	16.3
General building contractors	49.7	48.6	44.9	1.1	4.8
Heavy construction contractors	26.5	25.8	25.4	.7	1.1
Highway and street construction	13.4	13.0	12.5	.4	1.0
Special trade contractors	119.2	116.3	108.8	2.8	10.4
TRANSPORTATION AND PUBLIC UTILITIES	212.5	212.1	209.9	.4	2.6
Railroad transportation	14.7	14.9	16.1	-.2	-1.4
Transportation, except railroads	103.4	102.7	98.8	.7	4.6
Trucking and warehousing	71.9	71.2	69.2	.6	2.7
Communication, electric, gas services	94.4	94.5	95.0	-.1	-.6
Communication	52.8	52.9	52.6	-.1	.2
Electric, gas, and sanitary services	41.6	41.6	42.4	.0	-.8
WHOLESALE TRADE	252.1	251.6	247.9	.5	4.2
Wholesale trade-durable goods	159.1	158.8	156.8	.2	2.3
Motor vehicles & automotive equipment	22.4	22.5	22.7	.0	-.3
Electrical goods	20.6	20.6	20.5	.0	.2
Machinery, equipment, and supplies	68.7	68.6	67.5	.1	1.2
Wholesale trade-nondurable goods	93.0	92.7	91.1	.3	2.0
Groceries and related products	29.8	29.6	28.8	.3	1.0
RETAIL TRADE	861.5	855.9	832.0	5.5	29.4
General merchandise stores	112.2	111.0	112.3	1.2	-.1
Department stores	98.9	98.0	100.3	.9	-1.4
Food stores	132.0	131.7	128.8	.4	3.2
Automotive dealers & service stations	97.0	96.9	92.6	.1	4.4
Apparel and accessory stores	40.5	39.7	38.5	.8	2.0
Eating and drinking places	310.1	308.1	299.8	2.0	10.3
FINANCE, INSURANCE, AND REAL ESTATE	246.8	246.3	236.4	.5	10.4
Banking	63.7	63.5	62.3	.2	1.3
Credit agencies other than banks	39.0	38.9	37.4	.1	1.6
Insurance carriers	65.9	65.8	63.7	.1	2.2
Life insurance	24.0	23.9	23.7	.1	.3
Fire, marine, and casualty insurance	29.4	29.4	28.8	-.1	.6
SERVICES	1073.7	1072.8	1015.5	.9	58.2
Hotels and other lodging places	36.7	36.6	35.9	.1	.8
Personal services	56.8	56.7	53.3	.1	3.5
Laundry, cleaning, & garment services	18.8	18.8	18.0	.0	.7
Business services	219.5	218.2	197.8	1.3	21.7
Services to buildings	30.2	30.0	28.4	.2	1.8
Computer and data processing services	20.1	20.0	18.1	.1	2.0
Amusement and recreation services	54.7	54.5	52.5	.2	2.2
Health services	364.8	364.0	347.3	.9	17.6
Nursing and personal care facilities	80.8	80.5	77.2	.4	3.7
Hospitals	179.0	178.9	171.0	.2	8.0
Educational services	45.2	46.3	45.4	-1.0	-.1
Colleges and universities	21.2	21.9	22.2	-.7	-1.0
GOVERNMENT	642.5	647.8	637.9	-5.3	4.6
Federal government	95.0	94.9	94.5	.0	.5
State government	135.1	136.2	131.4	-1.1	3.7
State government education[1]	58.8	60.2	56.3	-1.4	2.5
State government, except education	76.3	76.0	75.1	.3	1.1
Local government	412.4	416.7	412.0	-4.2	.4
Local government education	217.1	219.9	218.8	-2.7	-1.7
Local government, except education	195.3	196.8	193.2	-1.5	2.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$492.69	$485.20	$481.43	42.4	41.9	41.9	$11.62	$11.58	$11.49
Durable Goods[e]	510.77	501.76	500.99	42.6	42.2	42.1	11.99	11.89	11.90
Lumber and wood products	300.44	298.48	305.76	41.1	41.0	41.6	7.31	7.28	7.35
Furniture and fixtures	361.38	349.92	336.56	41.3	40.5	40.5	8.75	8.64	8.31
Stone, clay, and glass products	443.92	446.42	449.86	41.8	41.8	41.5	10.62	10.68	10.84
Glass and glassware, pressed or blown	454.17	464.47	472.65	39.7	39.8	41.1	11.44	11.67	11.50
Primary metal industries	604.80	597.64	566.46	44.8	44.5	42.4	13.50	13.43	13.36
Blast furnace and basic steel products	629.18	638.02	580.25	45.2	46.1	42.2	13.92	13.84	13.75
Iron and steel foundries	625.61	586.28	598.19	45.4	43.3	43.6	13.78	13.54	13.72
Nonferrous rolling and drawing	601.44	601.27	573.01	42.0	41.9	40.9	14.32	14.35	14.01
Fabricated metal products	478.30	473.20	486.99	41.7	41.4	42.2	11.47	11.43	11.54
Cutlery, hand tools, and hardware	458.54	462.00	461.78	39.7	40.0	39.3	11.55	11.55	11.75
Fabricated structural metal products	457.06	428.68	453.49	43.2	41.7	44.2	10.58	10.28	10.26
Metal forgings and stampings	573.50	569.66	616.76	41.8	41.4	43.1	13.72	13.76	14.31
Machinery, except electrical	490.03	494.89	481.85	42.5	42.7	41.9	11.53	11.59	11.50
Construction and related machinery	400.58	409.65	413.48	40.3	40.6	40.3	9.94	10.09	10.26
Metalworking machinery	476.44	470.30	458.70	43.0	42.6	41.7	11.08	11.04	11.00
Special industry machinery	479.12	469.13	458.22	42.4	41.7	42.0	11.30	11.25	10.91
General industrial machinery	504.61	506.52	484.98	41.6	42.0	41.1	12.13	12.06	11.80
Office and computing machines	449.83	410.31	419.43	45.3	42.3	43.6	9.93	9.70	9.62
Refrigeration and service machinery	555.24	573.33	567.09	42.0	43.5	42.1	13.22	13.18	13.47
Electric and electronic equipment	468.16	449.21	452.35	41.8	40.8	41.5	11.20	11.01	10.90
Electrical industrial apparatus	491.24	457.75	421.45	43.9	41.5	40.1	11.19	11.03	10.51
Household appliances	484.51	474.37	490.14	41.2	41.0	42.4	11.76	11.57	11.56
Electric lighting and wiring equipment	447.43	435.97	450.84	40.2	39.1	40.8	11.13	11.15	11.05
Communication equipment	480.80	497.95	480.73	40.0	41.6	41.3	12.02	11.97	11.64
Transportation equipment	629.01	604.07	616.40	43.5	42.6	43.5	14.46	14.18	14.17
Motor vehicles and equipment	644.30	616.77	633.91	43.3	42.1	43.3	14.88	14.65	14.64
Aircraft and parts	610.54	583.88	587.78	44.5	44.0	44.8	13.72	13.27	13.12
Instruments and related products	374.51	358.27	349.71	41.2	39.5	38.9	9.09	9.07	8.99
Measuring and controlling devices	358.54	355.74	331.60	39.4	38.5	36.6	9.10	9.24	9.06
Nondurable Goods[f]	452.94	450.02	439.30	41.9	41.4	41.6	10.81	10.87	10.56
Food and kindred products	434.26	434.92	422.99	42.7	41.5	42.9	10.17	10.48	9.86
Meat products	379.26	360.00	383.88	42.0	40.0	42.0	9.03	9.00	9.14
Dairy products	465.48	479.60	460.08	43.3	44.0	43.2	10.75	10.90	10.65
Preserved fruits and vegetables	413.40	417.60	410.85	43.7	40.0	45.0	9.46	10.44	9.13
Bakery products	461.60	459.33	458.80	40.0	39.7	40.0	11.54	11.57	11.47
Beverages	431.60	433.86	425.52	41.7	42.0	41.8	10.35	10.33	10.18
Apparel and other textile products	292.86	280.49	270.07	39.1	37.7	37.2	7.49	7.44	7.26
Paper and allied products	495.95	493.06	483.34	44.4	44.3	44.1	11.17	11.13	10.96
Misc. converted paper products	460.24	443.07	459.78	44.0	43.1	44.9	10.46	10.28	10.24
Paperboard containers and boxes	434.16	433.01	412.30	43.2	43.0	41.9	10.05	10.07	9.84
Printing and publishing	423.83	420.81	410.80	38.6	38.5	38.5	10.98	10.93	10.67
Newspapers	359.15	354.98	348.16	34.5	34.1	34.2	10.41	10.41	10.18
Commercial printing	423.34	419.89	416.16	39.9	39.8	39.9	10.61	10.55	10.43
Chemicals and allied products	532.98	527.92	509.99	42.0	41.7	41.7	12.69	12.66	12.23
Industrial inorganic chemicals	599.00	565.55	556.19	43.5	42.3	41.6	13.77	13.37	13.37
Rubber and misc. plastics products	447.20	436.60	438.65	43.0	41.9	42.3	10.40	10.42	10.37
Tires and inner tubes	634.11	656.83	660.81	45.1	45.9	46.7	14.06	14.31	14.15
Miscellaneous plastics products	428.83	420.58	419.42	42.5	41.6	41.9	10.09	10.11	10.01

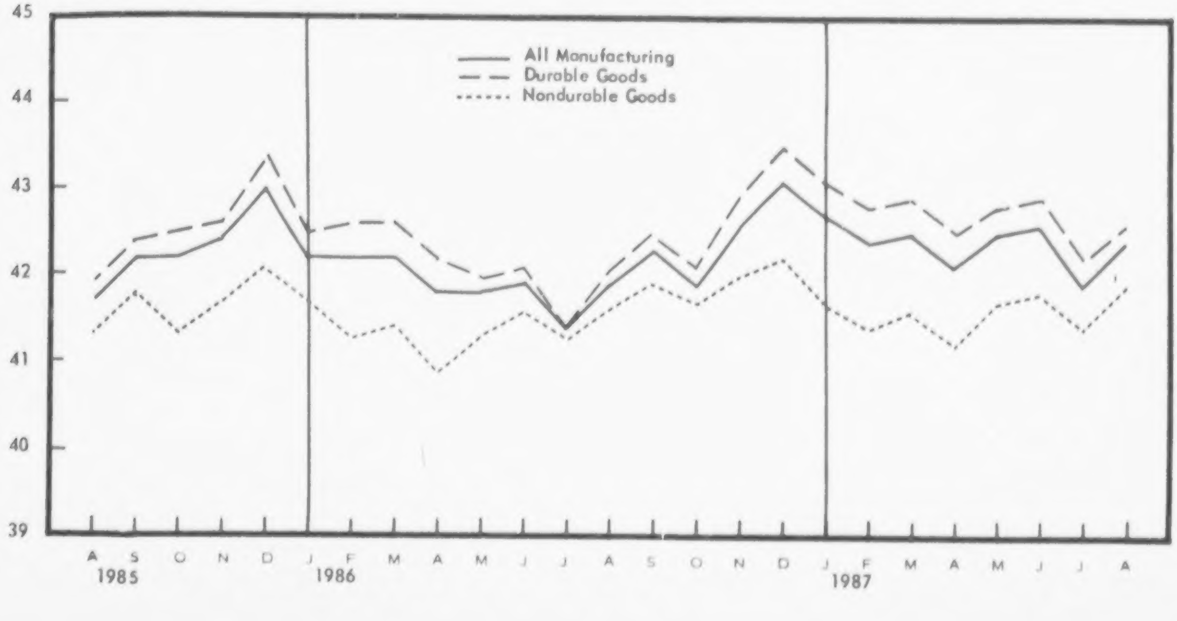
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

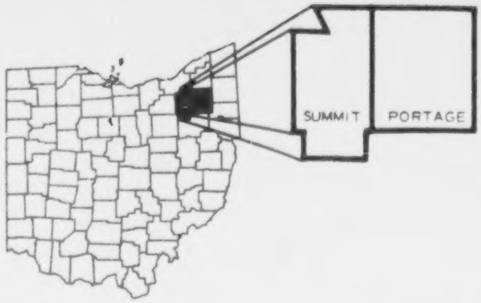
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MINING	$543.80	$530.50	$524.18	43.4	43.2	43.5	$12.53	$12.28	$12.05
Bituminous coal and lignite mining	660.57	630.24	631.08	42.7	41.3	42.1	15.47	15.26	14.99
CONSTRUCTION	584.78	569.30	595.81	39.7	39.1	39.8	14.73	14.56	14.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	561.29	566.48	536.61	41.0	41.5	40.9	13.69	13.65	13.12
Communication	555.01	559.42	524.88	40.9	41.5	40.5	13.57	13.48	12.96
Electric, gas, and sanitary services	571.03	576.99	551.45	41.2	41.6	41.4	13.86	13.87	13.32
WHOLESALE TRADE	378.02	378.97	366.81	39.5	39.6	39.4	9.57	9.57	9.31
Wholesale trade-durable goods	373.91	374.30	362.61	39.4	39.4	39.5	9.49	9.50	9.18
Wholesale trade-nondurable goods	383.15	386.80	373.01	39.5	40.0	39.1	9.70	9.67	9.54
RETAIL TRADE[h]	164.93	163.52	159.10	29.4	29.2	29.3	5.61	5.60	5.43
General merchandise stores	184.21	186.00	183.92	30.1	30.0	30.4	6.12	6.20	6.05
Department stores	190.61	191.77	188.80	30.4	30.2	30.5	6.27	6.35	6.19
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	262.23	260.42	249.66	....	....	....	.....	.....	.....
Credit agencies other than banks	250.31	254.53	244.47	....	....	....	.....	.....	.....
Insurance carriers	347.14	345.41	327.20	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	333.33	333.33	321.55	33.3	33.3	33.6	10.01	10.01	9.57

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



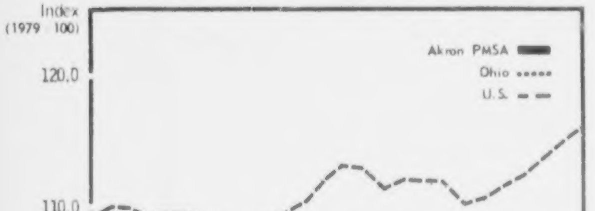
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



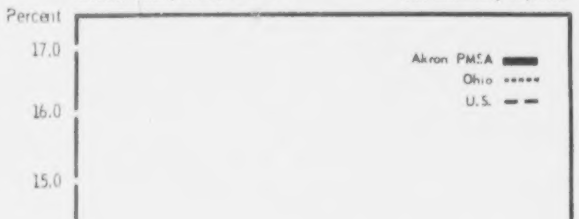
Nonagricultural wage and salary employment for the Akron metropolitan area totaled 263,400 in August, an increase of 500 from July. Manufacturing employment rose slightly, to 64,400. Nonmanufacturing divisions recorded a growth of 300, as scattered gains in construction, retail trade, and services offset the loss in government. Manufacturing production workers averaged a 42.7 hour workweek, up .6 hours from the previous month. Their average hourly earnings were $11.09, down $.06 from July.

Nonfarm wage and salary employment in the Akron area advanced 6,300 from August 1986 to August 1987. Nonmanufacturing industries added 8,000 new jobs over the year. The primary sectors of expansion were construction, retail trade, and services. Setbacks in fabricated metal products and rubber and miscellaneous plastics products, especially tires and inner tubes, accounted for the loss of 1,700 manufacturing jobs from August 1986.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.
(Not Seasonally Adjusted)



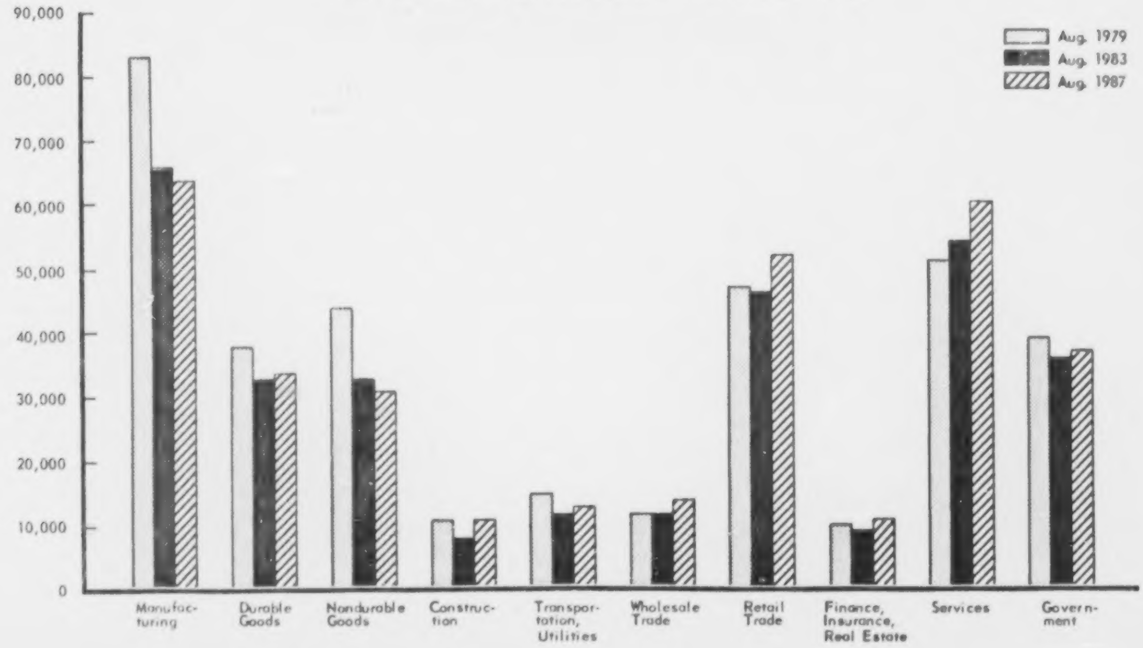
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	$253.44	42.1	$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
				1986						
319.0	295.9	23.2	7.3	July	257.6	66.5	35.7	472.86	42.6	11.10
317.2	292.5	24.7	7.8	August	257.1	66.1	35.6	491.81	43.6	11.28
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
				1987						
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.3	294.3	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
321.2	299.6	21.6	6.7	July	262.9	64.2	34.9	469.42	42.1	11.15
INA	INA	INA	INA	August	263.4	64.4	35.2	473.54	42.7	11.09

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	263.4	262.9	257.1	.5	6.3
MANUFACTURING	64.4	64.2	66.1	.2	-1.7
Durable Goods[e]	33.5	33.3	34.6	.2	-1.1
Fabricated metal products	12.1	12.1	12.8	.0	-.8
Machinery, except electrical	9.2	9.1	9.2	.1	-.1
Metalworking machinery	3.1	3.0	3.0	.0	.0
Nondurable Goods[f]	30.9	30.9	31.5	.0	-.6
Food and kindred products	2.9	2.9	2.8	.0	.1
Chemicals and allied products	3.0	3.0	2.9	.0	.1
Rubber and misc. plastics products	19.3	19.3	20.4	.0	-1.1
Tires and inner tubes	12.1	12.1	13.5	.0	-1.4
NONMANUFACTURING[g]	198.9	198.6	190.9	.3	8.0
CONSTRUCTION	11.2	11.0	9.8	.2	1.4
TRANSPORTATION AND PUBLIC UTILITIES	13.5	13.5	13.2	.0	.4
Communication, electric, gas services	5.5	5.5	5.4	.0	.1
WHOLESALE TRADE	13.7	13.8	13.6	-.1	.2
RETAIL TRADE	52.3	52.2	50.4	.1	1.9
General merchandise stores	6.5	6.5	6.3	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	10.6	10.6	10.1	.0	.5
Banking	3.2	3.2	3.2	.0	.0
SERVICES	59.7	59.5	56.9	.2	2.9
Business services	11.3	11.2	10.5	.1	.9
Amusement and recreation services	4.6	4.6	4.5	.0	.1
Health services	18.2	18.1	17.5	.1	.7
GOVERNMENT	37.2	37.3	36.4	-.1	.8
State government	10.5	10.5	10.6	.0	-.1
State government education[i]	7.5	7.4	7.5	.1	-.1
State government, except education	3.0	3.1	3.1	-.1	-.1
Local government	24.3	24.4	23.4	-.1	.9
Local government education	12.4	12.1	11.7	.2	.6
Local government, except education	12.0	12.3	11.7	-.3	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

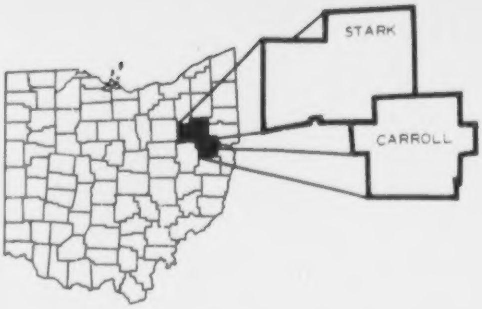
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$473.54	$469.42	$491.81	42.7	42.1	43.6	$11.09	$11.15	$11.28
Durable Goods[e]	483.21	489.90	508.20	42.8	42.6	44.0	11.29	11.50	11.55
Fabricated metal products	571.16	575.60	645.41	43.5	42.7	46.6	13.13	13.48	13.85
Machinery, except electrical	442.54	458.21	443.00	43.6	44.4	44.3	10.15	10.32	10.00
Metalworking machinery	445.89	453.81	454.72	44.5	45.2	45.7	10.02	10.04	9.95
Nondurable Goods[f]	458.58	439.43	466.98	42.5	41.3	43.0	10.79	10.64	10.86
Food and kindred products	467.35	470.65	453.20	43.8	43.7	41.2	10.67	10.77	11.00
Chemicals and allied products	470.82	480.78	452.79	41.3	42.1	40.5	11.40	11.42	11.18
Rubber and misc. plastics products	484.66	460.90	506.90	43.9	41.9	44.7	11.04	11.00	11.34
Tires and inner tubes	709.78	708.25	747.46	46.3	46.2	50.3	15.33	15.33	14.86
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	576.70	575.19	546.72	41.4	41.5	40.8	13.93	13.86	13.40
WHOLESALE TRADE	334.15	333.89	330.33	37.8	37.6	38.5	8.84	8.88	8.58
RETAIL TRADE[h]	202.62	200.45	193.71	33.0	32.7	31.6	6.14	6.13	6.13

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	2,392	3,329	3,032
Active File of Job Seekers	18,259	18,962	22,211
Referrals to Jobs	2,014	1,889	1,762
Placements	855	1,222	341
Job Openings Received	762	1,952	948
Job Openings Unfilled	2,367	2,895	1,652
Unemployment Insurance Program			
Initial Claims	2,651	3,602	3,346
Continued Claims	23,903	27,935	26,877
First Payments	1,312	1,393	1,409
Last Payments	403	563	394
Weeks Compensated	19,436	23,626	18,959
Benefits Paid	$2,889,382	$3,506,875	$2,691,535
Average Weekly Payment	$152.48	$151.76	$145.62

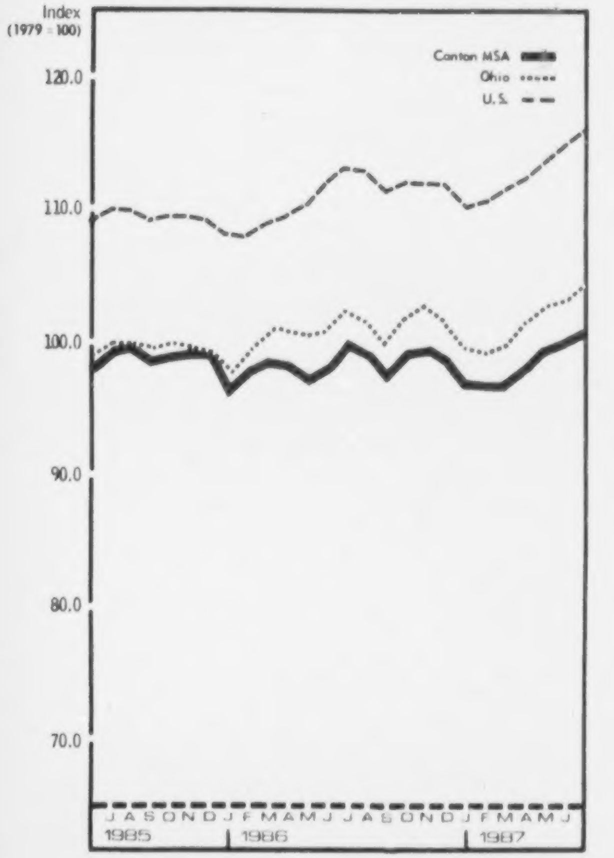
CANTON
METROPOLITAN STATISTICAL AREA



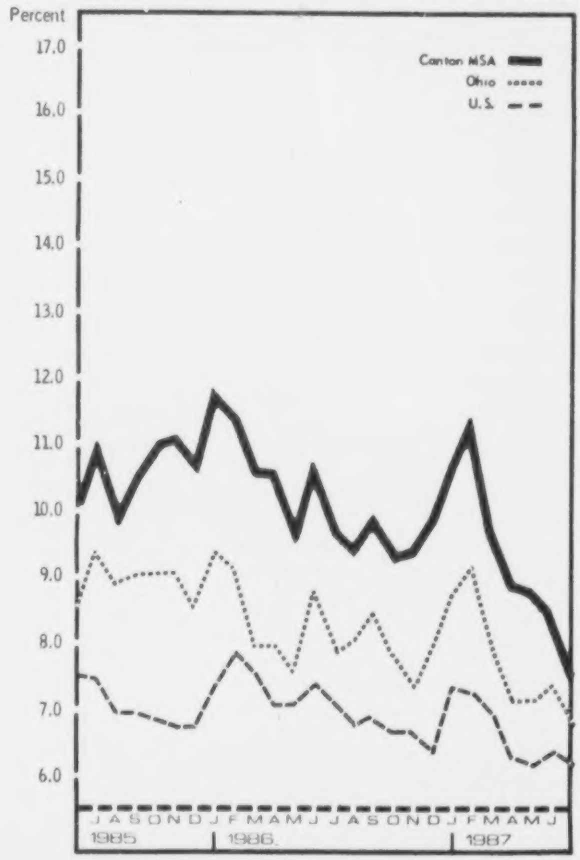
Nonfarm wage and salary employment in the Canton area totaled 156,200 in August, an increase of 1,400 from July. Manufacturing employment registered a gain of 700 from last month, to a total of 42,400 jobs. The growth occurred in durable-goods industries, especially primary metals. Increases in construction and retail trade helped boost nonmanufacturing employment by 800 from July. Manufacturing production workers averaged a 41.8 hour workweek at $11.28 per hour, up .2 hours and down $.03, respectively, from the previous month.

Over the year, nonagricultural wage and salary employment in the Canton metropolitan area advanced by 3,500. Nonmanufacturing industries accounted for the expansion. Substantial gains in construction, retail trade, and services contributed toward the improvement. Manufacturing employment was down 1,900 over the year, due to reductions in fabricated metal products, food and kindred products, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

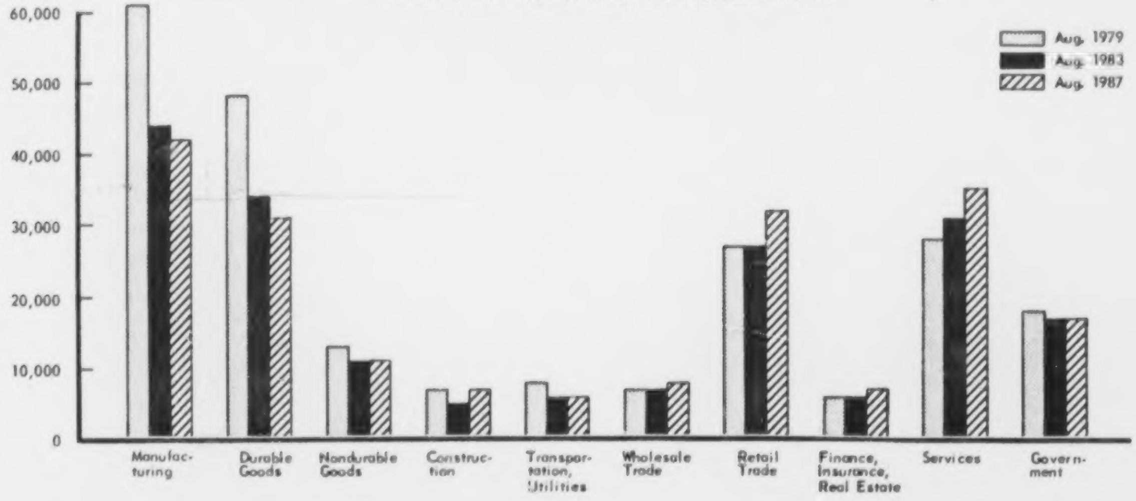


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	$244.73	39.6	$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
				1986						
192.4	173.8	18.6	9.7	July	152.7	44.0	31.3	449.52	40.1	11.21
190.1	172.2	17.9	9.4	August	152.8	44.2	31.5	448.48	39.9	11.24
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
				1987						
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.7	173.5	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
189.2	175.1	14.1	7.5	July	154.8	41.7	29.5	470.50	41.6	11.31
INA	INA	INA	INA	August	156.2	42.4	30.1	471.50	41.8	11.28

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	156.2	154.8	152.8	1.4	3.5
MANUFACTURING	42.4	41.7	44.2	.7	-1.9
Durable Goods[e]	31.3	30.6	32.6	.7	-1.2
Primary metal industries	10.1	9.7	10.0	.3	.1
Fabricated metal products	6.3	6.2	6.9	.1	-.6
Metal forgings and stampings	2.1	2.0	2.5	.0	-.4
Nondurable Goods[f]	11.0	11.1	11.7	-.1	-.6
Food and kindred products	3.6	3.7	3.9	-.1	-.3
Rubber and misc. plastics products	2.6	2.6	2.8	.0	-.2
NONMANUFACTURING[g]	113.9	113.1	108.5	.8	5.3
CONSTRUCTION	7.3	7.2	6.0	.2	1.3
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.8	.1	.3
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
WHOLESALE TRADE	8.1	8.0	8.1	.1	.0
Wholesale trade-durable goods	4.5	4.5	4.6	.0	-.1
RETAIL TRADE	32.3	31.9	30.5	.4	1.8
General merchandise stores	3.8	3.7	3.7	.1	.2
Food stores	5.2	5.2	5.0	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.7	6.6	6.6	.0	.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	34.8	34.9	33.6	-.1	1.2
Health services	14.9	14.9	14.4	.0	.5
GOVERNMENT	17.4	17.4	16.7	.0	.7
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.3	14.3	13.6	.0	.7
Local government education	8.0	8.0	7.7	.0	.3
Local government, except education	6.3	6.3	5.9	.0	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

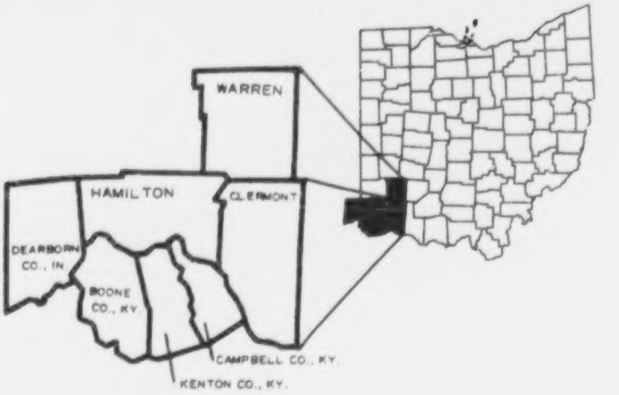
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$471.50	$470.50	$448.48	41.8	41.6	39.9	$11.28	$11.31	$11.24
Durable Goods[e]	495.55	496.27	466.40	42.5	42.2	40.0	11.66	11.76	11.66
Primary metal industries	575.06	576.29	499.70	44.1	43.2	39.1	13.04	13.34	12.78
Fabricated metal products	451.66	446.76	510.85	40.8	40.8	42.5	11.07	10.95	12.02
Metal forgings and stampings	599.26	579.04	667.79	41.3	40.1	43.0	14.51	14.44	15.53
Nondurable Goods[f]	398.00	393.82	394.02	39.8	39.7	39.6	10.00	9.92	9.95
Food and kindred products	403.21	402.19	414.61	40.2	39.9	39.6	10.03	10.08	10.47
Rubber and misc. plastics products	431.55	442.21	442.85	41.1	43.1	42.5	10.50	10.26	10.42
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	553.21	575.51	531.95	41.1	42.1	40.7	13.46	13.67	13.07
WHOLESALE TRADE	380.14	387.86	332.77	37.6	38.1	34.7	10.11	10.18	9.59
RETAIL TRADE[h]	151.78	157.29	155.39	28.8	29.4	29.1	5.27	5.35	5.34

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	1,326	1,924	1,897
Active File of Job Seekers	11,981	12,268	20,061
Referrals to Jobs	832	1,583	981
Placements	247	808	338
Job Openings Received	531	652	424
Job Openings Unfilled	788	739	400
Unemployment Insurance Program			
Initial Claims	1,616	2,550	2,675
Continued Claims	14,981	18,326	17,221
First Payments	831	769	1,050
Last Payments	281	393	414
Weeks Compensated	11,483	13,313	15,074
Benefits Paid	$1,591,959	$1,855,245	$2,089,249
Average Weekly Payment	$142.22	$143.54	$143.37

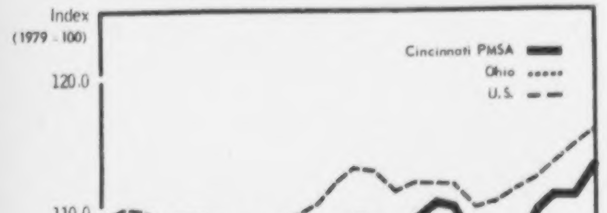
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



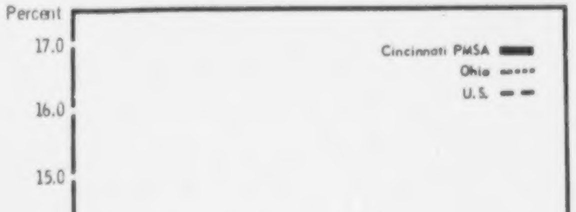
Nonfarm wage and salary employment in the Cincinnati metropolitan area was 684,200 in August, up 6,000 from July. Manufacturing employment, at 149,000, was up 3,500, due to returns from temporary layoffs in motor vehicles and equipment. Nonmanufacturing increased 2,500, with gains in construction, retail trade, and services more than offsetting losses in state and local schools. Factory production workers earned an average of $11.03 per hour, up $.30 from July. Their average workweek was 42.7 hours, up .6 hours.

Since August 1986, nonfarm employment has risen 28,900. Although nearly all nonmanufacturing industries recorded increases, noteworthy growth was recorded in services, especially business and health services, and in retail trade. Manufacturing employment improved slightly over the year, with scattered gains in other durable- and nondurable-goods industries offsetting losses in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

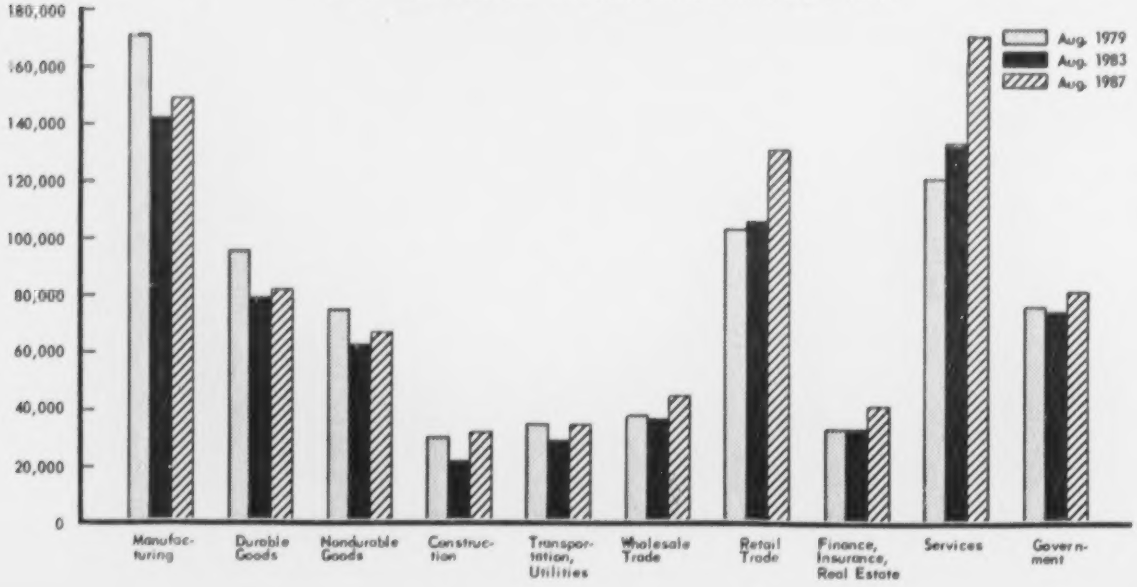


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	$232.22	41.1	$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
				1986						
734.7	687.5	47.2	6.4	July	652.6	147.5	95.1	444.94	41.7	10.67
730.4	683.1	47.3	6.5	August	655.3	148.7	96.6	452.81	42.2	10.73
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
				1987						
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.38	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
747.8	698.8	48.9	6.5	June	679.2	145.4	92.6	466.52	42.8	10.90
756.7	712.4	44.3	5.9	July	678.2	145.6	92.4	451.73	42.1	10.73
INA	INA	INA	INA	August	684.2	149.0	96.0	470.98	42.7	11.03

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	684.2	678.2	655.3	6.0	28.9
MANUFACTURING	149.0	145.6	148.7	3.5	.3
Durable Goods[e]	82.4	78.7	82.4	3.6	.0
Fabricated metal products	11.2	11.0	10.9	.2	.4
Fabricated structural metal products	4.4	4.3	4.0	.1	.4
Machinery, except electrical	19.4	19.5	20.8	-.1	-1.4
Metalworking machinery	7.9	8.0	8.8	-.1	-.9
General industrial machinery	2.6	2.6	2.9	.0	-.3
Electric and electronic equipment	7.5	7.5	7.7	.1	-.2
Transportation equipment	28.8	25.5	28.3	3.2	.5
Motor vehicles and equipment	8.1	4.8	8.4	3.3	-.3
Nondurable Goods[f]	66.7	66.8	66.3	-.2	.4
Food and kindred products	13.3	13.3	13.3	-.1	-.1
Beverages	3.9	3.9	4.1	.0	-.2
Apparel and other textile products	3.7	3.7	3.5	.0	.1
Paper and allied products	6.7	6.7	6.3	.0	.4
Printing and publishing	13.4	13.4	13.0	.0	.4
Commercial printing	5.9	5.9	5.5	.0	.4
Chemicals and allied products	22.2	22.3	22.3	-.1	.0
Rubber and misc. plastics products	5.6	5.4	5.4	.2	.2
NONMANUFACTURING[g]	535.2	532.6	506.6	2.5	28.6
CONSTRUCTION	31.6	30.7	28.4	.9	3.2
TRANSPORTATION AND PUBLIC UTILITIES	34.9	34.8	34.6	.1	.4
Trucking and warehousing	9.7	9.5	9.6	.1	.0
Communication, electric, gas services	15.4	15.4	15.5	.0	-.1
WHOLESALE TRADE	45.4	45.2	43.1	.2	2.4
Wholesale trade-durable goods	27.3	27.2	25.7	.1	1.6
RETAIL TRADE	130.7	129.8	124.2	.9	6.5
General merchandise stores	19.2	19.1	18.5	.1	.6
FINANCE, INSURANCE, AND REAL ESTATE	40.8	40.7	38.5	.1	2.4
Banking	8.6	8.6	8.2	.0	.3
Insurance carriers	13.2	13.2	12.6	.0	.6
SERVICES	170.3	169.5	159.1	.9	11.3
Hotels and other lodging places	7.0	6.9	6.8	.1	.3
Personal services	8.3	8.2	8.0	.0	.3
Business services	40.7	40.0	36.7	.7	4.0
Amusement and recreation services	11.1	11.2	10.8	-.1	.2
Health services	52.7	52.5	49.0	.1	3.6
Hospitals	25.3	25.2	23.6	.0	1.6
GOVERNMENT	80.9	81.5	78.4	-.6	2.5
Federal government	14.0	13.9	13.8	.1	.1
State government	17.8	17.9	17.3	-.2	.4
State government education[i]	9.8	9.9	9.2	-.1	.5
State government, except education	8.0	8.1	8.1	-.1	-.1
Local government	49.2	49.7	47.3	-.5	1.9
Local government education	26.5	26.9	24.8	-.4	1.7
Local government, except education	22.7	22.8	22.4	-.1	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$470.98	$451.73	$452.81	42.7	42.1	42.2	$11.03	$10.73	$10.73
Durable Goods[e]	476.50	436.60	452.34	43.2	41.9	42.0	11.03	10.42	10.77
Fabricated metal products	421.61	429.57	421.16	43.6	44.7	44.1	9.67	9.61	9.55
Fabricated structural metal products	438.22	450.22	478.14	44.9	46.8	47.2	9.76	9.62	10.13
Machinery, except electrical	416.66	407.38	420.31	42.3	41.4	42.2	9.85	9.84	9.96
Metalworking machinery	470.85	435.51	475.89	43.8	40.4	43.7	10.75	10.78	10.89
General industrial machinery	409.09	404.49	391.15	43.8	43.4	41.7	9.34	9.32	9.38
Electric and electronic equipment	350.54	335.43	341.42	40.2	38.6	39.7	8.72	8.69	8.60
Transportation equipment	672.45	600.48	624.09	44.8	42.8	43.4	15.01	14.03	14.38
Motor vehicles and equipment	684.43	636.70	641.76	43.1	40.4	42.0	15.88	15.76	15.28
Nondurable Goods[f]	466.15	466.57	453.26	42.3	42.3	42.4	11.02	11.03	10.69
Food and kindred products	525.42	489.77	485.10	45.1	43.0	44.1	11.65	11.39	11.00
Beverages	522.92	523.34	527.22	41.8	41.8	43.5	12.51	12.52	12.12
Apparel and other textile products	215.27	204.79	206.75	38.1	36.7	36.4	5.65	5.58	5.68
Paper and allied products	431.54	433.72	400.72	42.6	42.9	40.6	10.13	10.11	9.87
Printing and publishing	458.06	454.90	444.14	40.5	40.4	39.2	11.31	11.26	11.33
Commercial printing	496.06	507.86	502.52	43.4	44.2	42.3	11.43	11.49	11.88
Chemicals and allied products	532.57	551.23	541.14	42.1	43.2	43.5	12.65	12.76	12.44
Rubber and misc. plastics products	412.43	436.97	425.23	44.3	45.9	47.3	9.31	9.52	8.99
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	542.15	553.79	515.01	40.1	40.9	39.8	13.52	13.54	12.94
WHOLESALE TRADE	393.33	394.70	380.16	41.1	41.2	40.4	9.57	9.58	9.41
RETAIL TRADE[h]	168.52	167.10	164.20	30.2	30.0	29.8	5.58	5.57	5.51
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	257.03	255.25	250.95	....	....	....	.....	.....	.....

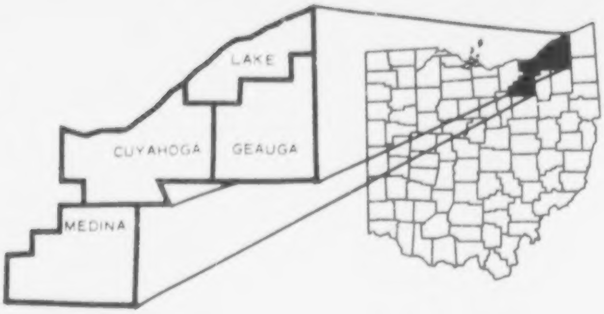
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	2,802	3,112	3,823
Active File of Job Seekers	17,022	20,103	26,682
Referrals to Jobs	2,265	2,035	1,984
Placements	603	430	662
Job Openings Received	1,884	1,425	1,954
Job Openings Unfilled	3,434	3,264	2,380
Unemployment Insurance Program			
Initial Claims	4,113	6,360	5,315
Continued Claims	29,639	42,218	38,207
First Payments	1,361	2,606	2,231
Last Payments	648	900	656
Weeks Compensated	23,463	35,401	32,944
Benefits Paid	$3,217,682	$5,216,113	$4,664,310
Average Weekly Payment	$139.84	$150.10	$144.53

[a] Ohio data only

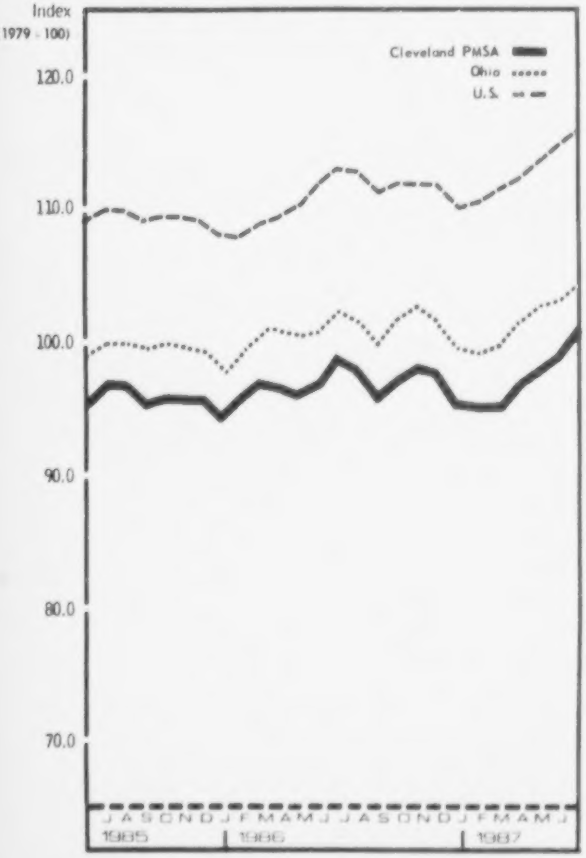
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



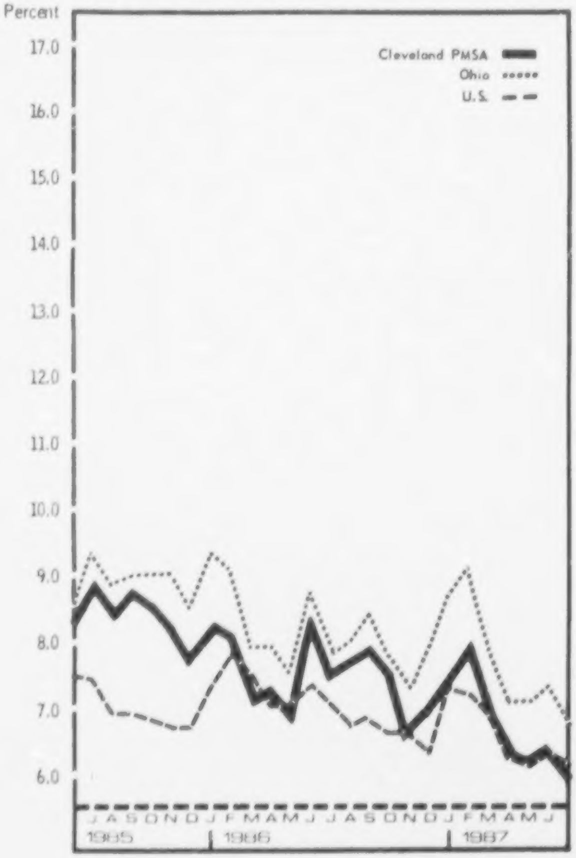
Nonagricultural wage and salary employment in the Cleveland metropolitan area declined 2,000 from the July level, to 908,000 in August. The decrease occurred in nonmanufacturing as seasonal losses in local government education overshadowed gains in business services and construction. Manufacturing employment rose 100, to 203,000. Scattered increases more than offset the loss of 400 jobs in motor vehicles and equipment. Factory production workers earned an average of $11.51 per hour for a 42.4 hour workweek, up $.11 and .6 hours, respectively, from July.

Since August 1986, total nonfarm employment gained 20,400 workers. Significant growth in business and health services, retail trade, and finance, insurance, and real estate contributed most to the change. Although the majority of nondurable-goods industries showed improvement over the year, manufacturing employment decreased 1,100, due to reductions in instruments and related products and nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

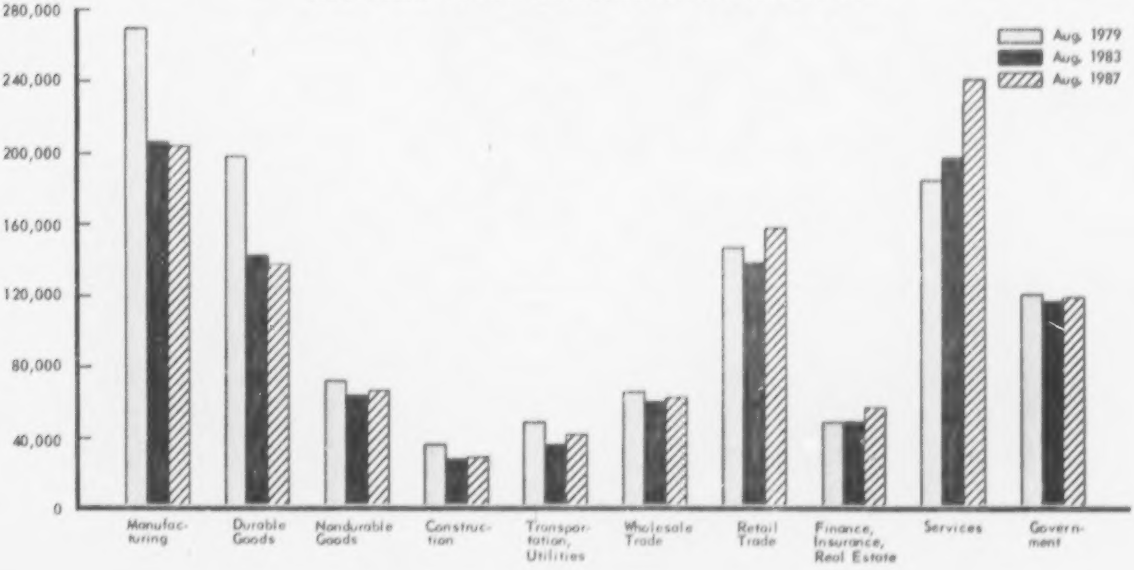


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	$260.62	41.9	$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
				1986						
954.6	883.1	71.6	7.5	July	889.6	204.7	130.6	456.75	40.6	11.25
945.4	872.8	72.6	7.7	August	887.6	204.1	130.2	479.94	42.1	11.40
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
				1987						
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
940.0	879.7	60.3	6.4	June	908.0	204.2	130.5	494.21	42.9	11.52
954.9	898.2	56.7	5.9	July	910.0	202.8	128.9	476.52	41.8	11.40
INA	INA	INA	INA	August	908.0	203.0	129.2	488.02	42.4	11.51

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	908.0	910.0	887.6	-2.0	20.4
MANUFACTURING	203.0	202.8	204.1	.1	-1.1
Durable Goods[e]	137.1	137.2	139.5	-.1	-2.4
Primary metal industries	20.8	20.8	21.0	.1	-.2
Iron and steel foundries	5.1	5.3	5.3	-.2	-.2
Fabricated metal products	32.5	32.3	32.3	.2	.2
Fabricated structural metal products	3.8	3.8	3.8	.0	.0
Screw machine products, bolts, etc.	4.8	4.7	4.7	.1	.2
Metal forgings and stampings	11.0	11.0	10.8	.0	.2
Machinery, except electrical	29.8	29.8	30.6	-.1	-.9
Construction and related machinery	2.5	2.5	2.5	.0	.0
Metalworking machinery	9.8	9.8	10.2	.0	-.4
Special industry machinery	3.2	3.2	3.4	.0	-.2
General industrial machinery	2.7	2.7	2.8	.0	-.1
Electric and electronic equipment	18.7	18.7	19.2	.0	-.6
Electrical industrial apparatus	6.4	6.4	6.8	.0	-.4
Transportation equipment	18.3	18.7	18.4	-.4	-.1
Motor vehicles and equipment	11.1	11.5	11.4	-.4	-.2
Instruments and related products	6.3	6.2	7.5	.0	-1.3
Measuring and controlling devices	4.1	4.1	4.3	.0	-.2
Nondurable Goods[f]	65.9	65.7	64.6	.2	1.3
Food and kindred products	6.9	6.9	6.6	.0	.3
Apparel and other textile products	4.0	4.1	4.2	-.1	-.2
Paper and allied products	5.6	5.5	5.4	.1	.2
Printing and publishing	17.0	17.0	16.8	.0	.2
Chemicals and allied products	15.2	15.2	14.7	.0	.5
Rubber and misc. plastics products	11.9	11.7	11.6	.2	.3
NONMANUFACTURING[g]	705.1	707.2	683.5	-2.1	21.5
CONSTRUCTION	29.4	29.0	28.4	.4	1.0
TRANSPORTATION AND PUBLIC UTILITIES	41.9	41.9	41.6	.0	.3
Trucking and warehousing	12.1	12.2	11.4	-.1	.8
Communication, electric, gas services	18.3	18.4	19.0	.0	-.6
WHOLESALE TRADE	62.3	62.5	62.5	-.2	-.2
Wholesale trade-durable goods	42.8	43.1	43.4	-.2	-.5
RETAIL TRADE	157.1	156.9	153.3	.2	3.8
General merchandise stores	19.7	19.8	20.0	-.1	-.2
FINANCE, INSURANCE, AND REAL ESTATE	55.9	55.6	53.2	.3	2.7
Banking	13.7	13.7	13.2	.1	.6
Credit agencies other than banks	9.3	9.2	8.9	.1	.5
Insurance carriers	13.4	13.4	12.9	.1	.5
SERVICES	239.8	239.6	226.1	.2	13.7
Business services	55.7	54.9	50.7	.8	4.9
Amusement and recreation services	10.5	10.2	10.2	.3	.3
Health services	76.0	76.0	72.5	.0	3.5
Hospitals	44.1	44.1	41.4	.0	2.7
GOVERNMENT	117.7	120.7	117.3	-3.0	.4
Federal government	20.6	20.6	20.2	.0	.3
State government	8.1	8.2	7.8	-.2	.2
State government education[i]	2.5	2.8	2.3	-.3	.2
State government, except education	5.6	5.4	5.5	.1	.1
Local government	89.1	91.9	89.2	-2.8	-.1
Local government education	39.2	41.8	39.5	-2.6	-.3
Local government, except education	49.9	50.1	49.7	-.2	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$488.02	$476.52	$479.94	42.4	41.8	42.1	$11.51	$11.40	$11.40
Durable Goods[e]	519.44	504.29	509.92	43.0	42.2	42.6	12.08	11.95	11.97
Primary metal industries	597.82	570.70	583.77	45.6	43.9	43.5	13.11	13.00	13.42
Iron and steel foundries	848.06	688.97	797.72	50.3	42.9	49.0	16.86	16.06	16.28
Fabricated metal products	507.28	474.29	491.73	42.7	41.1	42.5	11.88	11.54	11.57
Fabricated structural metal products	396.90	378.68	394.24	40.5	40.2	42.3	9.80	9.42	9.32
Screw machine products, bolts, etc.	459.85	439.95	448.42	43.3	41.9	43.2	10.62	10.50	10.38
Metal forgings and stampings	621.30	567.88	638.13	43.6	41.3	44.5	14.25	13.75	14.34
Machinery, except electrical	472.46	493.06	467.50	41.7	42.8	42.5	11.33	11.52	11.00
Construction and related machinery	417.24	386.32	448.76	45.5	43.8	46.6	9.17	8.82	9.63
Metalworking machinery	421.65	421.25	405.82	40.7	40.7	40.3	10.36	10.35	10.07
Special industry machinery	456.55	454.73	491.83	37.7	37.8	41.4	12.11	12.03	11.88
General industrial machinery	470.67	494.62	457.80	41.8	44.4	42.0	11.26	11.14	10.90
Electric and electronic equipment	460.06	432.42	404.00	41.9	40.3	39.3	10.98	10.73	10.28
Electrical industrial apparatus	516.99	461.45	415.16	44.8	40.8	38.8	11.54	11.31	10.70
Transportation equipment	683.09	649.88	721.62	45.6	44.0	47.6	14.98	14.77	15.16
Motor vehicles and equipment	730.97	679.97	768.64	45.6	43.2	48.1	16.03	15.74	15.98
Instruments and related products	395.37	382.04	382.88	41.4	40.3	39.8	9.55	9.48	9.62
Measuring and controlling devices	394.36	393.81	374.30	40.2	39.9	39.4	9.81	9.87	9.50
Nondurable Goods[f]	415.93	411.26	406.96	41.1	40.8	40.9	10.12	10.08	9.95
Food and kindred products	384.02	378.00	394.48	43.1	43.2	42.6	8.91	8.75	9.26
Apparel and other textile products	309.85	310.70	315.87	38.3	38.5	38.9	8.09	8.07	8.12
Paper and allied products	466.40	474.22	448.37	42.4	42.8	42.1	11.00	11.08	10.65
Printing and publishing	425.57	413.00	407.66	38.9	38.1	37.4	10.94	10.84	10.90
Chemicals and allied products	499.53	490.62	493.91	43.1	42.7	42.8	11.59	11.49	11.54
Rubber and misc. plastics products	376.62	371.87	363.36	41.8	41.0	42.3	9.01	9.07	8.59
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	595.82	597.70	554.73	41.9	42.3	41.0	14.22	14.13	13.53
WHOLESALE TRADE	394.97	405.78	393.02	39.3	39.9	39.9	10.05	10.17	9.85
RETAIL TRADE[h]	224.40	189.28	175.93	33.0	29.3	28.7	6.80	6.46	6.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	300.10	296.83	291.69	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	347.84	347.52	338.99	32.6	32.6	33.3	10.67	10.66	10.18

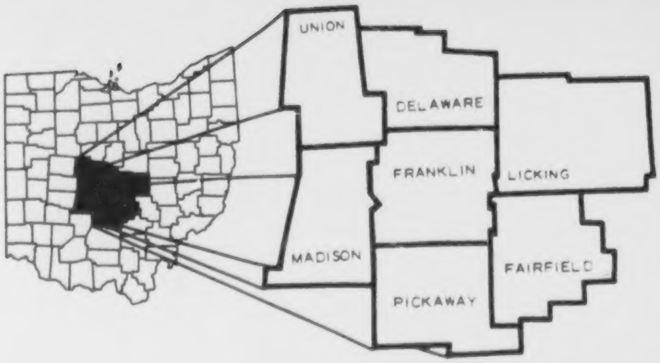
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes state universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	6,740	7,277	12,351
Active File of Job Seekers	61,485	61,401	111,786
Referrals to Jobs	2,923	2,590	5,166
Placements	1,080	702	1,359
Job Openings Received	2,222	1,547	4,034
Job Openings Unfilled	2,929	2,251	5,057
Unemployment Insurance Program			
Initial Claims	6,554	9,630	7,406
Continued Claims	54,311	64,970	66,852
First Payments	3,460	3,425	4,074
Last Payments	1,101	1,202	1,466
Weeks Compensated	46,382	50,624	60,235
Benefits Paid	$6,575,266	$7,222,711	$8,843,761
Average Weekly Payment	$144.00	$145.02	$149.11

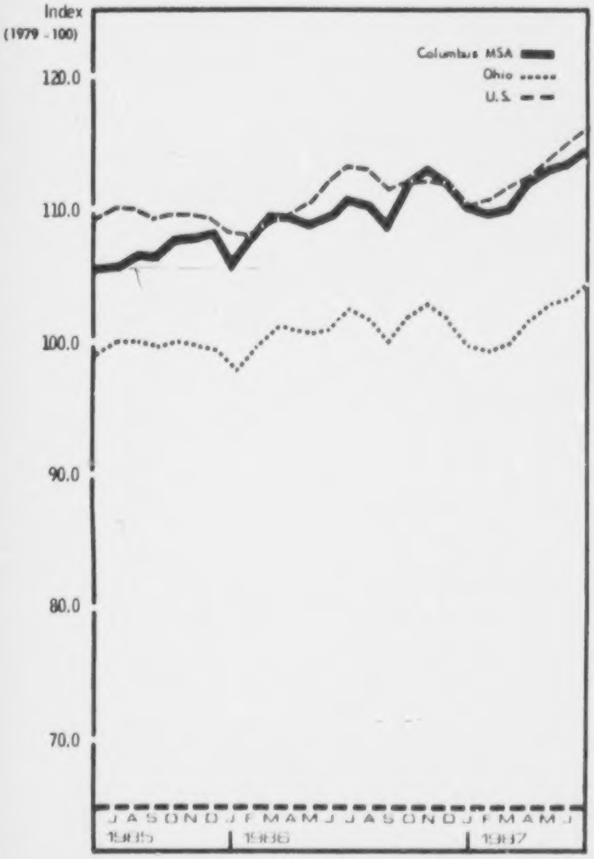
COLUMBUS

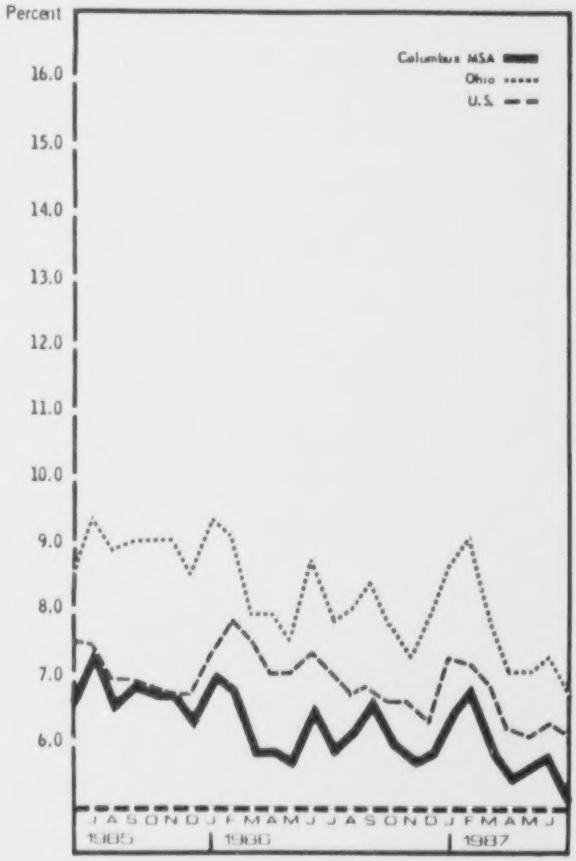
METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Columbus area totaled 657,700 in August, up 4,300 from July. The increase occurred in nonmanufacturing, with gains in retail trade, services, government, and construction. Manufacturing employment, at 102,600, showed a slight increase, with growth in stone, clay, and glass products. Factory production workers earned an average of $11.40 per hour, down $.08 from July. Their average workweek was 41.0 hours, down .3 hours.

Since August 1986, nonfarm employment increased 25,800. Growth in services and retail trade contributed most to the improvement, although significant growth was also noted in construction and in state and local schools. Manufacturing lost 3,600 workers over the year. Declines in stone, clay, and glass products, transportation equipment, and fabricated metal products more than offset scattered improvements in nondurable-goods industries.


INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

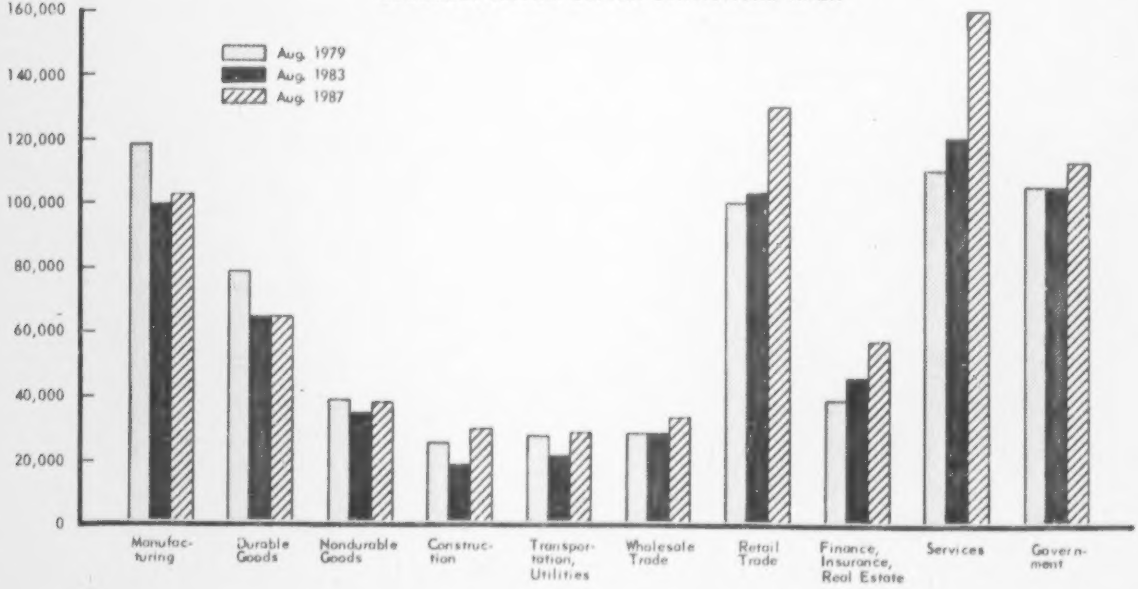

UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
679.6	640.1	39.5	5.8	July	628.0	106.1	70.3	458.18	40.8	11.23
679.2	637.7	41.5	6.1	August	631.9	106.3	70.6	461.66	41.0	11.23
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
696.4	656.1	40.3	5.8	June	661.0	103.1	68.2	473.10	41.5	11.40
696.7	660.9	35.9	5.1	July	653.4	102.3	67.3	474.12	41.3	11.48
INA	INA	INA	INA	August	657.7	102.6	67.6	467.40	41.0	11.40

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	657.7	653.4	631.9	4.3	25.8
MANUFACTURING	102.6	102.3	106.3	.4	-3.6
Durable Goods[e]	64.9	64.6	69.9	.3	-5.0
Stone, clay, and glass products	10.4	9.8	12.0	.6	-1.6
Glass and glassware, pressed or blown	4.3	3.7	4.6	.5	-.4
Fabricated metal products	8.7	8.8	10.0	-.1	-1.3
Fabricated structural metal products	2.8	2.8	3.1	.0	-.4
Machinery, except electrical	9.4	9.4	9.4	.0	.1
Electric and electronic equipment	10.7	10.8	11.4	-.1	-.7
Transportation equipment	14.2	14.4	15.8	-.2	-1.6
Instruments and related products	4.1	4.1	3.9	.0	.1
Nondurable Goods[f]	37.8	37.7	36.4	.1	1.4
Food and kindred products	10.6	10.5	10.0	.1	.6
Printing and publishing	9.9	9.9	9.7	.0	.2
Chemicals and allied products	7.2	7.3	7.1	.0	.1
Rubber and misc. plastics products	5.5	5.5	5.2	.0	.3
NONMANUFACTURING[g]	555.0	551.1	525.6	3.9	29.5
CONSTRUCTION	30.1	29.6	26.8	.5	3.3
TRANSPORTATION AND PUBLIC UTILITIES	29.3	29.0	27.6	.2	1.7
Trucking and warehousing	11.8	11.6	10.8	.2	1.0
Communication, electric, gas services	12.4	12.4	12.2	.1	.3
WHOLESALE TRADE	33.2	33.1	32.6	.0	.6
Wholesale trade-durable goods	21.7	21.6	21.4	.0	.3
RETAIL TRADE	130.4	129.0	124.9	1.5	5.5
General merchandise stores	17.9	17.4	17.6	.5	.3
FINANCE, INSURANCE, AND REAL ESTATE	57.2	57.2	54.6	.0	2.6
Banking	12.0	11.9	11.5	.1	.5
Insurance carriers	21.7	21.7	21.1	.0	.6
SERVICES	160.4	159.7	147.9	.7	12.6
Business services	37.5	37.1	33.9	.4	3.7
Health services	40.8	40.7	38.3	.0	2.5
Hospitals	17.6	17.6	16.5	.0	1.1
GOVERNMENT	113.4	112.5	110.3	.9	3.2
Federal government	15.7	15.7	15.6	.0	.1
State government	50.0	48.9	48.1	1.2	2.0
State government education[i]	18.8	18.1	17.6	.7	1.2
State government, except education	31.2	30.7	30.4	.5	.8
Local government	47.7	48.0	46.6	-.3	1.1
Local government education	26.6	26.6	25.6	.0	1.0
Local government, except education	21.1	21.4	21.1	-.3	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

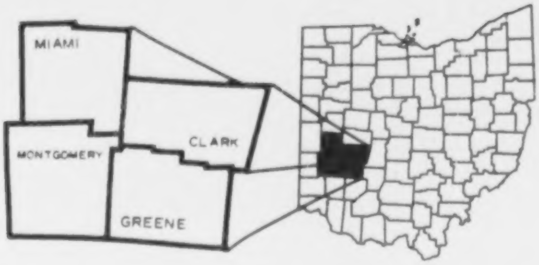
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$467.40	$474.12	$461.66	41.0	41.3	41.0	$11.40	$11.48	$11.26
Durable Goods[e]	478.88	486.04	478.25	41.0	41.4	41.3	11.68	11.74	11.58
Stone, clay, and glass products	461.31	485.07	477.95	39.7	40.9	39.5	11.62	11.86	12.10
Glass and glassware, pressed or blown	401.68	438.98	441.54	37.4	39.3	38.8	10.74	11.17	11.38
Fabricated metal products	499.39	504.30	475.16	40.9	41.0	40.2	12.21	12.30	11.82
Fabricated structural metal products	453.46	473.76	413.51	42.3	42.3	40.5	10.72	11.20	10.21
Machinery, except electrical	435.34	451.68	414.16	40.8	41.9	39.9	10.67	10.78	10.38
Electric and electronic equipment	452.73	450.40	438.50	40.1	40.0	39.9	11.29	11.26	10.99
Transportation equipment	603.19	588.12	584.82	43.9	43.5	45.3	13.74	13.52	12.91
Instruments and related products	427.65	438.27	392.98	41.6	41.9	40.1	10.28	10.46	9.80
Nondurable Goods[f]	445.26	450.87	424.11	41.0	41.1	40.2	10.86	10.97	10.55
Food and kindred products	462.24	471.16	426.21	42.8	42.6	41.1	10.80	11.06	10.37
Printing and publishing	515.87	514.56	486.64	39.2	39.4	38.9	13.16	13.06	12.51
Chemicals and allied products	494.60	507.73	490.46	39.6	40.2	40.5	12.49	12.63	12.11
Rubber and misc. plastics products	332.51	340.31	335.38	41.0	41.1	40.9	8.11	8.28	8.20
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	577.04	580.18	550.26	41.1	41.8	40.7	14.04	13.88	13.52
WHOLESALE TRADE	356.59	350.35	322.71	39.1	38.5	37.7	9.12	9.10	8.56
RETAIL TRADE[h]	176.83	175.03	168.48	28.8	28.6	29.3	6.14	6.12	5.75
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	.....	.....	.....
Banking	266.70	259.28	244.72	....	....	....	.....	.....	.....
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	330.86	329.35	325.49	34.5	34.2	34.7	9.59	9.63	9.38

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	6,136	5,370	5,340
Active File of Job Seekers	32,376	30,812	38,371
Referrals to Jobs	2,779	2,706	4,765
Placements	999	1,213	2,724
Job Openings Received	2,705	2,362	4,755
Job Openings Unfilled	4,940	4,264	6,422
Unemployment Insurance Program			
Initial Claims	4,387	6,317	5,048
Continued Claims	33,036	41,159	33,922
First Payments	1,817	2,149	1,807
Last Payments	745	752	663
Weeks Compensated	28,423	35,144	28,530
Benefits Paid	$4,297,857	$5,337,421	$4,079,127
Average Weekly Payment	$154.32	$155.08	$146.07

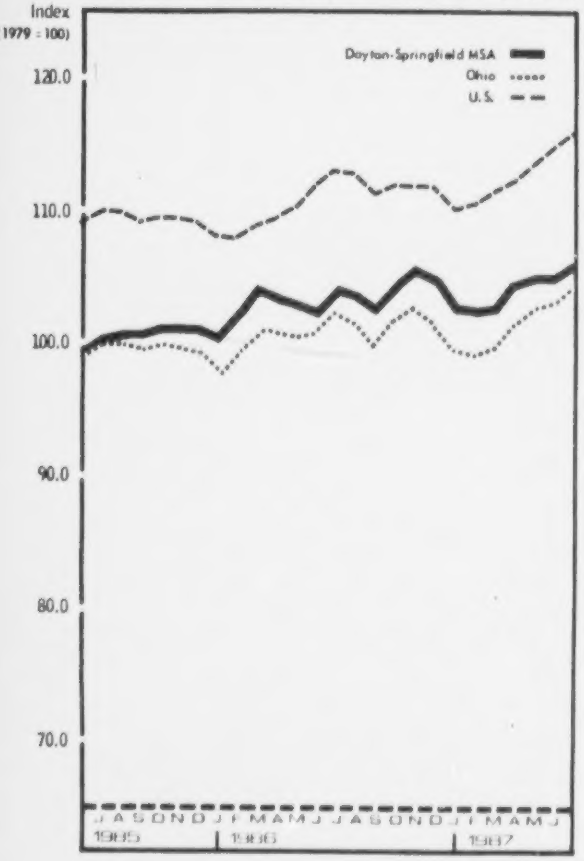
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



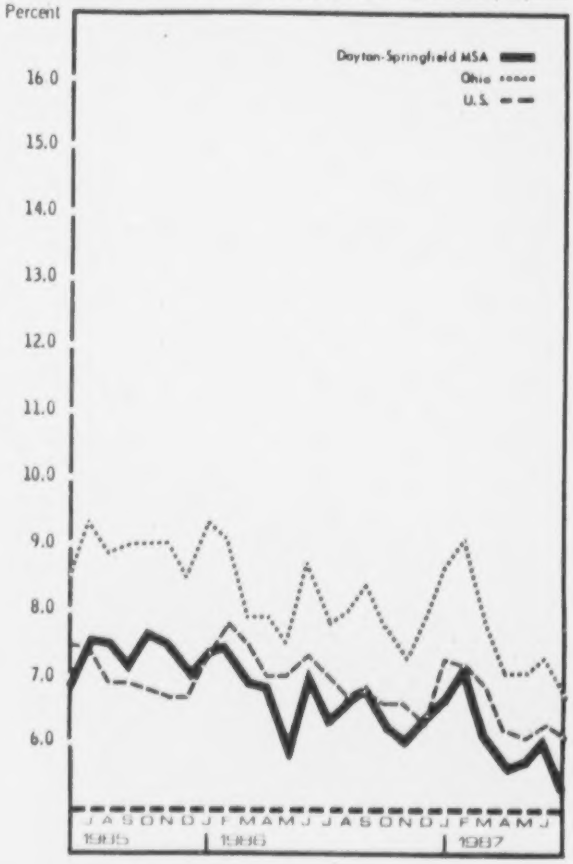
In August, nonagricultural wage and salary employment in the Dayton-Springfield area totaled 431,300, up 2,600 from July. The increase occurred chiefly in nonmanufacturing, with services having the largest gain. Scattered gains boosted manufacturing employment 600, to 104,700. Factory production workers earned $11.87 per hour, up slightly from July. Their average workweek increased .4 hours, to 41.9 hours.

Over the year nonagricultural wage and salary employment advanced 10,700. Improvements occurred in the nonmanufacturing sector, especially services, construction, and retail trade. Manufacturing industries lost 1,800 workers from last year due to declines in nonelectrical machinery and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

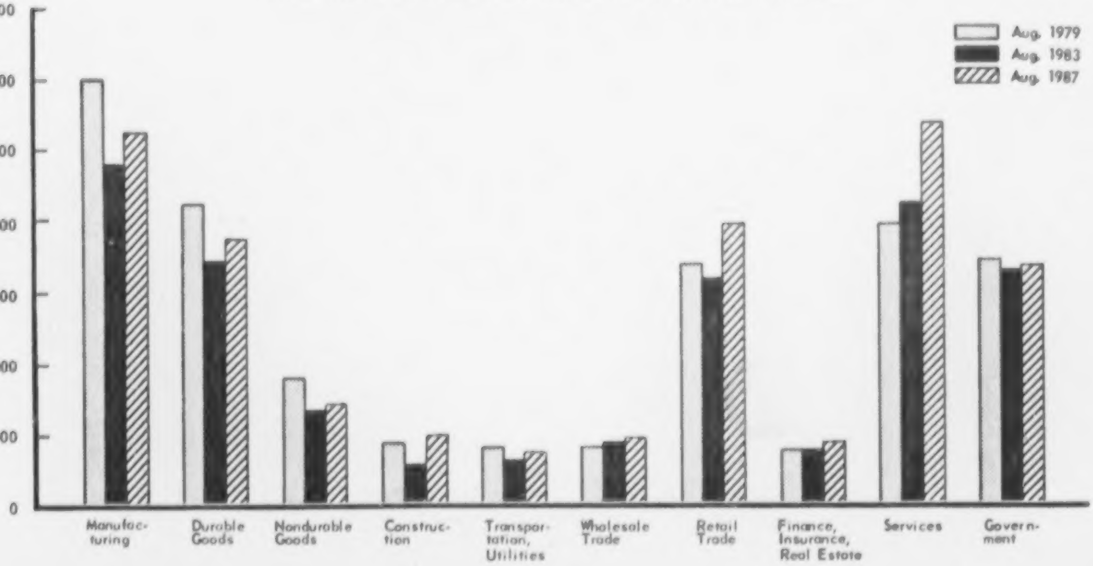


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03
				1986						
463.0	433.8	29.2	6.3	July	417.5	106.2	68.0	511.28	42.5	12.03
463.0	432.5	30.5	6.6	August	420.6	106.5	68.1	502.25	42.1	11.93
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90
				1987						
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74
467.3	439.0	28.4	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90
467.1	442.3	24.8	5.3	July	428.7	104.1	66.1	492.19	41.5	11.86
INA	INA	INA	INA	August	431.3	104.7	66.6	497.35	41.9	11.87

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	431.3	428.7	420.6	2.6	10.7
MANUFACTURING	104.7	104.1	106.5	.6	-1.8
Durable Goods[e]	75.2	75.0	77.3	.2	-2.1
Fabricated metal products	8.2	8.2	8.6	.0	-.4
Machinery, except electrical	30.2	30.2	31.9	.0	-1.6
Metalworking machinery	6.5	6.4	6.9	.2	-.4
General industrial machinery	2.5	2.6	2.6	-.1	-.2
Electric and electronic equipment	6.1	6.0	5.7	.2	.4
Electrical industrial apparatus	3.7	3.5	3.4	.1	.3
Transportation equipment	21.0	21.1	21.9	-.1	-.9
Nondurable Goods[f]	29.4	29.1	29.2	.3	.2
Food and kindred products	3.1	3.0	2.8	.1	.3
Paper and allied products	6.0	5.9	5.8	.1	.3
Printing and publishing	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	7.8	7.7	8.3	.1	-.5
NONMANUFACTURING[g]	326.6	324.6	314.1	2.0	12.5
CONSTRUCTION	20.3	19.8	16.9	.5	3.4
TRANSPORTATION AND PUBLIC UTILITIES	15.2	15.1	14.9	.1	.3
Communication, electric, gas services	5.7	5.8	6.1	.0	-.4
WHOLESALE TRADE	19.1	19.0	18.9	.0	.2
Wholesale trade-durable goods	13.1	13.1	12.9	.0	.2
RETAIL TRADE	79.4	78.8	76.4	.5	3.0
General merchandise stores	11.2	11.1	11.3	.2	-.1
FINANCE, INSURANCE, AND REAL ESTATE	18.3	18.2	17.7	.1	.6
Banking	4.4	4.4	4.3	.0	.1
Credit agencies other than banks	4.6	4.6	4.5	.0	.1
Insurance carriers	2.8	2.8	2.9	.0	-.1
SERVICES	107.0	106.3	101.1	.7	5.9
Business services	27.0	26.9	24.7	.1	2.3
Health services	36.0	35.7	34.6	.3	1.4
Hospitals	18.6	18.5	18.2	.1	.4
Educational services	4.4	4.6	4.9	-.2	-.5
GOVERNMENT	66.9	66.9	67.8	.0	-1.0
Federal government	28.3	28.3	28.1	.0	.1
State government	6.4	6.5	6.0	-.1	.4
State government education[i]	3.5	3.5	3.3	-.1	.2
State government, except education	3.0	3.0	2.7	.0	.2
Local government	32.2	32.1	33.7	.1	-1.6
Local government education	17.0	16.8	18.6	.1	-1.6
Local government, except education	15.2	15.2	15.1	-.1	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

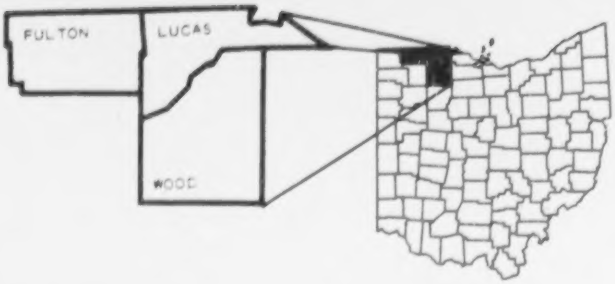
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$497.35	$492.19	$502.25	41.9	41.5	42.1	$11.87	$11.86	$11.93
Durable Goods[e]	509.35	502.11	516.38	42.2	41.6	42.5	12.07	12.07	12.15
Fabricated metal products	379.03	371.60	364.40	40.8	40.0	40.0	9.29	9.29	9.11
Machinery, except electrical	555.98	548.70	551.10	43.2	42.7	43.6	12.87	12.85	12.64
Metalworking machinery	542.08	532.84	532.28	44.8	44.0	45.3	12.10	12.11	11.75
General industrial machinery	459.80	456.22	444.79	42.3	42.4	42.2	10.87	10.76	10.54
Electric and electronic equipment	439.40	410.28	409.40	44.7	43.6	43.6	9.83	9.41	9.39
Electrical industrial apparatus	506.52	456.28	495.26	46.3	44.0	45.9	10.94	10.37	10.79
Transportation equipment	588.14	584.86	612.50	40.9	40.7	42.3	14.38	14.37	14.48
Nondurable Goods[f]	466.16	460.43	462.79	41.4	41.0	41.1	11.26	11.23	11.26
Food and kindred products	365.49	362.23	367.16	43.1	43.8	43.4	8.48	8.27	8.46
Paper and allied products	504.97	492.94	449.36	46.2	45.6	43.5	10.93	10.81	10.33
Printing and publishing	410.89	410.67	419.61	37.8	37.3	39.4	10.87	11.01	10.65
Rubber and misc. plastics products	558.18	554.13	583.61	39.7	39.3	40.5	14.06	14.10	14.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	544.59	552.90	518.89	40.4	41.2	40.1	13.48	13.42	12.94
WHOLESALE TRADE	428.82	429.00	388.97	42.0	42.1	40.1	10.21	10.19	9.70
RETAIL TRADE[h]	161.58	160.18	157.10	28.7	28.4	29.2	5.63	5.64	5.38
SERVICES	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	362.14	364.23	335.61	34.1	34.2	33.0	10.62	10.65	10.17

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	2,551	2,758	2,889
Active File of Job Seekers	21,533	21,782	25,847
Referrals to Jobs	1,291	4,027	2,130
Placements	370	3,015	432
Job Openings Received	988	3,656	1,028
Job Openings Unfilled	1,930	1,585	1,325
Unemployment Insurance Program			
Initial Claims	7,739	4,072	4,904
Continued Claims	27,301	27,342	25,416
First Payments	1,957	1,705	1,829
Last Payments	432	562	450
Weeks Compensated	20,095	23,225	20,516
Benefits Paid	$2,790,387	$3,156,631	$ 2,776,062
Average Weekly Payment	$141.68	$138.84	$138.02

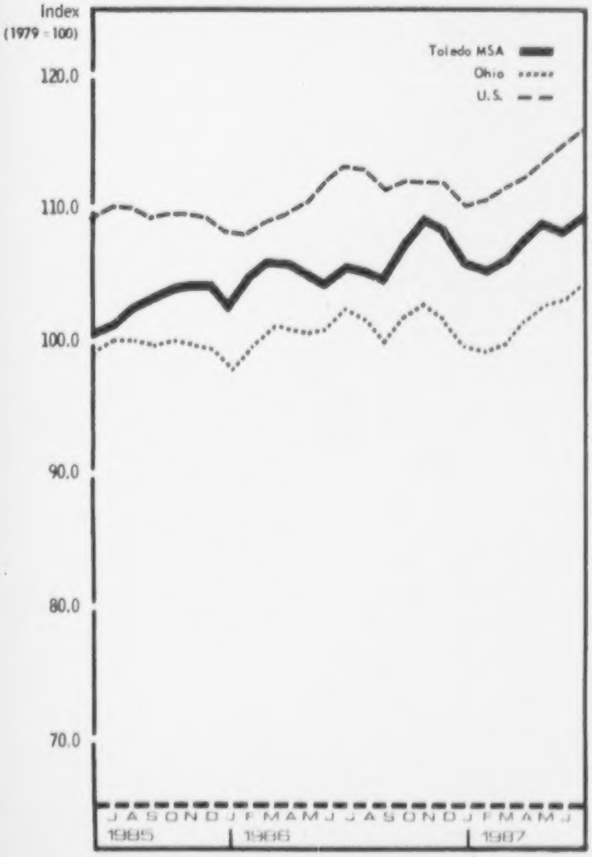
TOLEDO
METROPOLITAN STATISTICAL AREA



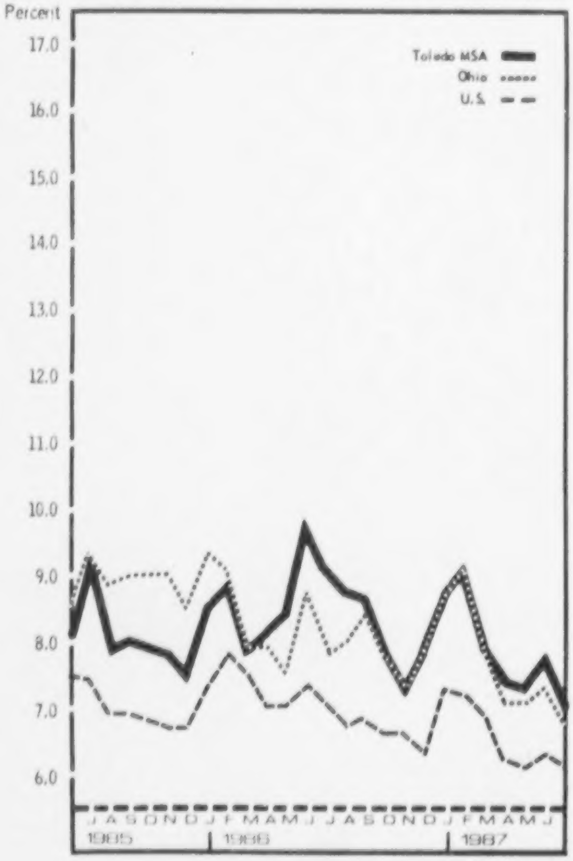
Total nonfarm employment in the Toledo metropolitan area advanced 1,700 from July, to 284,000 in August. Nonmanufacturing employment increased 600 over the month. Growth in services and construction overshadowed seasonal losses in state and local schools and universities. Manufacturing employment rose 1,100 due primarily to seasonal gains in the canning industry. Production workers earned an average of $12.62 per hour, down $.05 from July. Their average workweek of 42.5 hours was 1.2 hours longer.

Nonagricultural wage and salary employment increased 12,500 from August 1986 to August 1987. Nonmanufacturing industries recorded 13,900 additional jobs. Significant growth was noted in health and business services, retail trade, and construction. Manufacturing employment declined 1,400 over the period. Reductions in stone, clay, and glass products, fabricated metal products, and electric and electronic equipment contributed most to the loss.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

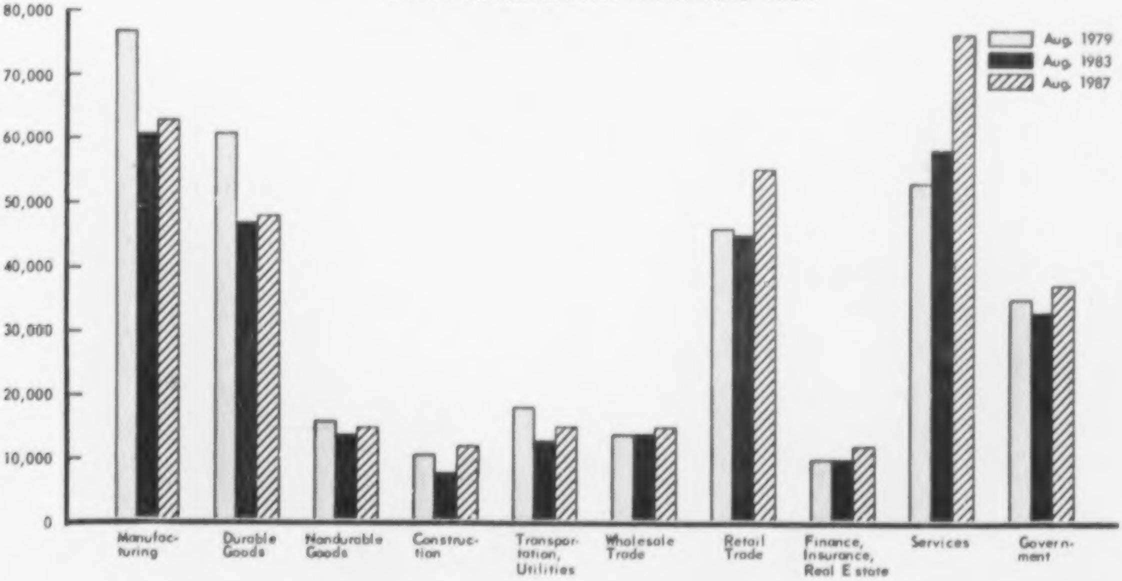


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed Total	Unemployed Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings: Average Weekly Earnings	Hours and Earnings: Average Weekly Hours	Hours and Earnings: Average Hourly Earnings
INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA	
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
				1986						
309.9	281.8	28.1	9.1	July	268.6	63.0	43.6	526.25	42.1	12.50
308.2	281.2	26.9	8.7	August	271.5	64.1	44.7	519.90	42.2	12.32
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
				1987						
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.7	289.3	24.4	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
314.9	292.9	22.0	7.0	July	282.3	61.7	43.0	523.27	41.3	12.67
INA	INA	INA	INA	August	284.0	62.7	44.0	536.35	42.5	12.62

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	284.0	282.3	271.5	1.7	12.5
MANUFACTURING	62.7	61.7	64.1	1.1	-1.4
Durable Goods[e]	47.7	47.5	49.1	.2	-1.4
Stone, clay, and glass products	7.9	7.9	8.7	.1	-.8
Primary metal industries	3.1	3.0	3.2	.1	-.1
Fabricated metal products	7.2	7.3	7.5	-.1	-.3
Metal forgings and stampings	3.0	3.2	3.1	-.2	-.1
Machinery, except electrical	6.2	6.1	6.0	.1	.2
Electric and electronic equipment	2.7	2.7	3.0	.0	-.3
Transportation equipment	16.2	16.2	16.2	.0	.0
Motor vehicles and equipment	15.3	15.3	15.2	-.1	.1
Nondurable Goods[f]	15.0	14.2	15.0	.8	.0
Food and kindred products	4.5	3.7	4.3	.8	.2
Rubber and misc. plastics products	3.0	3.2	3.1	-.1	-.1
NONMANUFACTURING[g]	221.3	220.7	207.4	.6	13.9
CONSTRUCTION	11.8	11.5	10.8	.4	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.8	14.2	.2	.7
Trucking and warehousing	5.9	5.9	5.5	.1	.5
Communication, electric, gas services	5.1	5.1	5.1	.0	.0
WHOLESALE TRADE	14.9	14.9	14.6	.0	.3
Wholesale trade-durable goods	9.8	9.8	9.7	.0	.1
RETAIL TRADE	55.1	54.8	52.4	.2	2.7
General merchandise stores	7.1	7.0	7.0	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.7	11.7	11.2	.0	.5
Banking	3.6	3.6	3.5	.0	.0
SERVICES	75.9	75.4	67.7	.5	8.2
Business services	15.3	15.0	13.2	.3	2.1
Health services	30.0	29.9	26.3	.1	3.7
Hospitals	15.6	15.6	14.9	.0	.7
GOVERNMENT	36.8	37.5	36.3	-.7	.5
State government	12.1	12.4	11.5	-.3	.5
State government education[i]	7.9	8.2	7.4	-.3	.5
State government, except education	4.1	4.2	4.1	-.1	.1
Local government	22.1	22.4	22.2	-.4	-.1
Local government education	11.4	11.6	11.5	-.2	-.1
Local government, except education	10.7	10.9	10.7	-.2	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

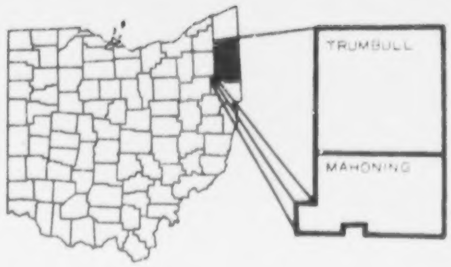
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$536.35	$523.27	$519.90	42.5	41.3	42.2	$12.62	$12.67	$12.32
Durable Goods[e]	562.82	542.75	547.36	42.8	41.4	42.3	13.15	13.11	12.94
Stone, clay, and glass products	484.34	505.93	539.61	39.7	40.9	43.1	12.20	12.37	12.52
Primary metal industries	464.62	456.92	485.83	42.2	41.5	43.3	11.01	11.01	11.22
Fabricated metal products	527.50	515.85	506.20	42.2	41.5	41.8	12.50	12.43	12.11
Metal forgings and stampings	662.63	615.90	627.30	45.2	43.1	45.0	14.66	14.29	13.94
Machinery, except electrical	488.45	487.41	463.68	42.4	42.2	41.4	11.52	11.55	11.20
Electric and electronic equipment	521.66	515.01	565.92	41.8	41.6	43.2	12.48	12.38	13.10
Transportation equipment	690.62	641.18	653.31	44.7	41.5	42.7	15.45	15.45	15.30
Motor vehicles and equipment	691.53	641.39	656.30	44.5	41.3	42.7	15.54	15.53	15.37
Nondurable Goods[f]	450.28	459.79	433.26	41.5	41.2	41.7	10.85	11.16	10.39
Food and kindred products	507.48	568.32	469.37	43.9	44.4	43.3	11.56	12.80	10.84
Rubber and misc. plastics products	321.57	316.29	319.58	39.7	39.0	40.3	8.10	8.11	7.93
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	610.69	622.87	624.66	41.6	42.2	43.5	14.68	14.76	14.36
WHOLESALE TRADE	355.13	357.78	347.97	37.5	37.9	37.7	9.47	9.44	9.23
RETAIL TRADE[h]	166.24	162.21	157.11	29.9	29.6	29.7	5.56	5.48	5.[illegible]

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	1,618	2,442	2,434
Active File of Job Seekers	17,277	18,035	25,551
Referrals to Jobs	1,409	2,663	2,182
Placements	637	754	571
Job Openings Received	703	1,379	1,138
Job Openings Unfilled	1,584	1,859	1,024
Unemployment Insurance Program			
Initial Claims	3,140	4,789	6,683
Continued Claims	22,663	28,063	33,949
First Payments	1,208	1,468	3,711
Last Payments	334	497	853
Weeks Compensated	17,238	21,451	25,426
Benefits Paid	$2,413,759	$3,026,681	$3,877,405
Average Weekly Payment	$149.95	$144.12	$156.10

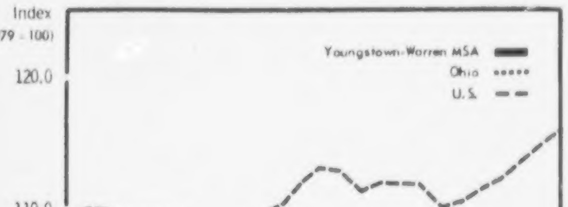
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



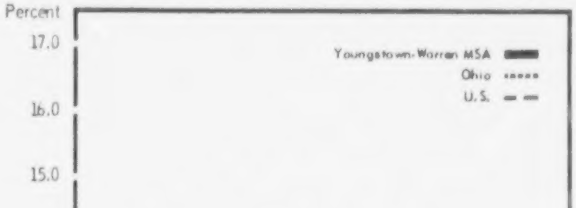
In the Youngstown-Warren metropolitan area, nonagricultural wage and salary employment totaled 189,100 in August, up 1,900 from July. Manufacturing employment, at 47,500, was up 2,000 over the month. Most of the increase occurred in transportation equipment. The decline in nonmanufacturing resulted from layoffs of nonteaching employees in state schools and colleges. Factory workers earned $12.97 per hour and worked an average of 41.8 hours per week, up $.07 and down .2 hours from last month.

Over the year, nonagricultural wage and salary employment increased 1,300. Although all nonmanufacturing divisions recorded gains, services, construction, and retail trade had the most noteworthy growth. Employment in manufacturing dropped 4,000, due to a significant loss in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

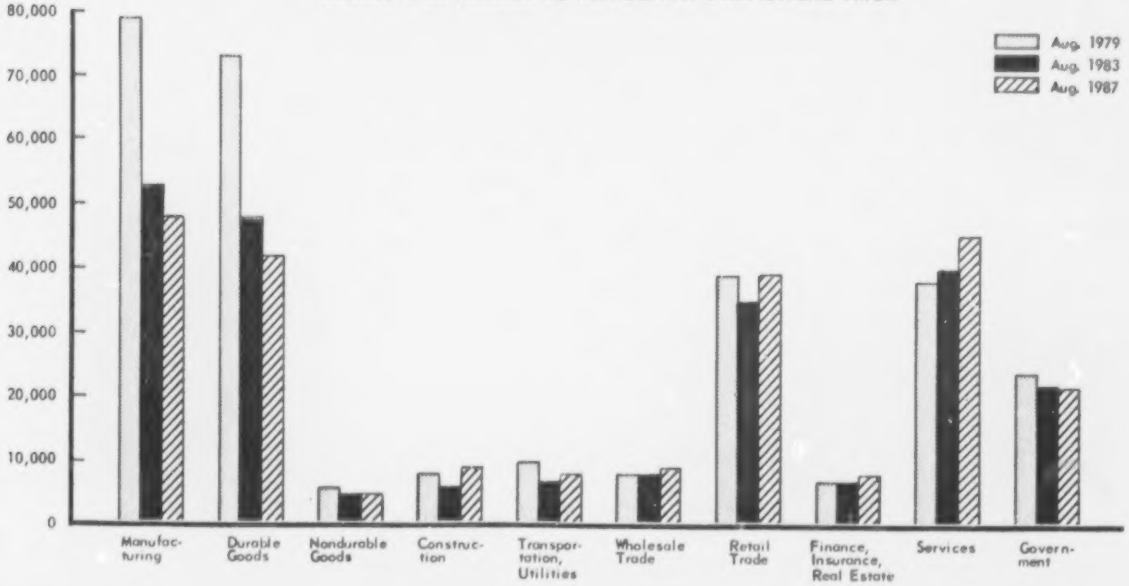


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force	Total Employed	Unemployed			Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	$277.29	39.5	$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
				1986						
226.0	203.2	22.8	10.1	July	187.6	51.5	38.4	542.93	41.1	13.21
226.7	201.4	25.2	11.1	August	187.8	51.5	38.5	541.03	41.3	13.10
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
				1987						
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
227.2	205.5	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
231.1	201.3	29.8	12.9	July	187.2	45.5	32.8	541.80	42.0	12.90
INA	INA	INA	INA	August	189.1	47.5	34.9	542.15	41.8	12.97

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1987[b]	July 1987[c]	August 1986[c]	From Last Month	From Last Year
TOTAL	189.1	187.2	187.8	1.9	1.3
MANUFACTURING	47.5	45.5	51.5	2.0	- 4.0
Durable Goods[e]	42.1	40.1	46.1	2.0	- 4.0
Primary metal industries	19.5	18.8	19.3	.7	.1
Blast furnace and basic steel products	6.7	6.9	6.2	- .1	.5
Fabricated metal products	7.7	7.7	7.5	.1	.3
Machinery, except electrical	3.4	3.5	3.8	- .1	- .4
Electric and electronic equipment	2.3	2.3	2.4	.0	- .1
Transportation equipment	5.9	4.6	10.0	1.3	- 4.0
Nondurable Goods[f]	5.4	5.4	5.4	.0	.0
NONMANUFACTURING[g]	141.6	141.7	136.3	- .1	5.3
CONSTRUCTION	9.4	9.3	8.0	.2	1.4
TRANSPORTATION AND PUBLIC UTILITIES	8.1	8.0	7.9	.1	.2
Communication, electric, gas services	3.1	3.1	3.2	.0	- .1
WHOLESALE TRADE	9.4	9.4	9.2	.0	.2
Wholesale trade-durable goods	6.0	6.0	6.0	- .1	- .1
RETAIL TRADE	38.7	38.6	37.5	.1	1.2
General merchandise stores	5.6	5.6	5.4	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	8.5	8.5	8.2	.0	.3
Banking	2.8	2.8	2.8	.0	.0
SERVICES	45.4	45.5	43.8	- .1	1.6
Health services	20.2	20.1	19.3	.1	.9
Hospitals	10.5	10.5	10.4	.0	.1
GOVERNMENT	21.5	21.8	21.0	- .3	.5
State government	3.2	3.5	3.3	- .4	- .1
State government education[i]	1.7	2.0	1.7	- .3	.0
State government, except education	1.5	1.6	1.6	- .1	- .1
Local government	16.2	16.2	15.7	.0	.5
Local government education	9.7	9.6	9.1	.0	.5
Local government, except education	6.6	6.6	6.6	.0	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1987[b]	July 1987[c]	August 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]	Aug. 1987[b]	Jul. 1987[c]	Aug. 1986[c]
MANUFACTURING	$542.15	$541.80	$541.03	41.8	42.0	41.3	$12.97	$12.90	$13.10
Durable Goods[e]	556.92	556.20	558.59	42.0	42.2	41.5	13.26	13.18	13.46
Primary metal industries	610.14	608.52	584.75	42.4	42.2	40.3	14.39	14.42	14.51
Blast furnace and basic steel products	621.05	607.47	601.39	45.2	44.7	40.8	13.74	13.59	14.74
Fabricated metal products	504.27	523.16	536.49	39.8	41.0	41.3	12.67	12.76	12.99
Machinery, except electrical	490.56	480.28	461.35	42.0	41.8	40.9	11.68	11.49	11.28
Electric and electronic equipment	437.00	434.32	407.79	39.8	39.7	39.4	10.98	10.94	10.35
Transportation equipment	630.90	631.58	640.01	45.0	45.8	44.6	14.02	13.79	14.35
Nondurable Goods[f]	409.42	419.52	358.59	40.1	40.3	38.6	10.21	10.41	9.29
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	552.27	558.55	524.21	40.4	40.8	40.2	13.67	13.69	13.04
WHOLESALE TRADE	336.80	341.00	333.59	37.8	38.1	38.3	8.91	8.95	8.71
RETAIL TRADE[h]	174.94	175.23	168.26	29.5	29.5	30.1	5.93	5.94	5.59

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1987	July 1987	August 1986
Employment Service Program			
New Applicants	2,362	2,746	2,494
Active File of Job Seekers	18,953	19,026	31,863
Referrals to Jobs	1,919	1,805	1,977
Placements	876	372	803
Job Openings Received	984	636	1,043
Job Openings Unfilled	630	664	664
Unemployment Insurance Program			
Initial Claims	3,292	12,542	[illegible]
Continued Claims	31,835	37,826	[illegible]
First Payments	4,750	1,969	5,754
Last Payments	328	441	379
Weeks Compensated	28,527	29,945	26,941
Benefits Paid	$4,660,409	$4,667,565	$4,202,917
Average Weekly Payment	$165.94	$159.97	$159.89

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	August 1987	July 1987	August 1986
New Applicants	40,304	44,514	50,487
Active File of Job Seekers	288,038	292,626	406,600
Counseling Interviews	1,243	1,218	1,714
Tests Administered	2,897	3,080	6,063
General Aptitude Tests	369	429	336
Proficiency Tests	556	518	670
Specific Aptitude Tests	517	532	754
Referrals to Jobs	28,897	32,426	32,477
Placements	9,417	12,915	11,136
Job Openings Received	16,847	20,364	20,417
Job Openings Unfilled	25,903	23,787	28,997

Selected Unemployment Insurance Activities

	August 1987	July 1987	August 1986
Initial Claims	53,967	79,012	66,356
Continued Claims	362,485	435,982	433,004
First Payments	24,915	24,011	32,178
Last Payments	6,340	8,333	8,277
Average Weekly Claimants	89,491	93,084	104,764
Average Weekly Benefit Recipients	71,759	74,480	82,718
Weeks Compensated	295,614	357,502	360,260
Benefits Paid	$43,051,073	$51,775,703	$52,509,690
Average Weekly Payment	$148.81	$148.36	$149.14
Continued Claims for Survey Week	83,063	99,137	99,627
Insured Unemployment Rate	2.1	2.2	2.5
Net Contributions	$161,295,796	$71,318,012	$147,934,564
Active Employer Accounts	195,513	196,496	193,196

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